Hi8 カムコーダー Hi8 CAMCORDER

# **EVW-300 EVW-300P**

ズームレンズ ZOOM LENS

# **VCL-713BX**

# **SERVICE MANUAL**

Vol. 2 (1st Edition/Revised 1)



HiB Hyper HAD.

#### SAFETY RELATED COMPONENT WARNING

Components identified by shading and  $\triangle$  marked on the schematic diagrams and parts list are critical to safe operation. Replace these components with SONY parts whose part numbers appear as shown in this manual or in supplements published by SONY.

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DXF-501のサービスマニュアルは,別冊で発行されていますので,そちらをご覧下さい。

・サービスマニュアル名:DXF-501/501CE

部品番号:9-977-201-01 •補修部品表:DXF-501 部品番号:9-977-201-71

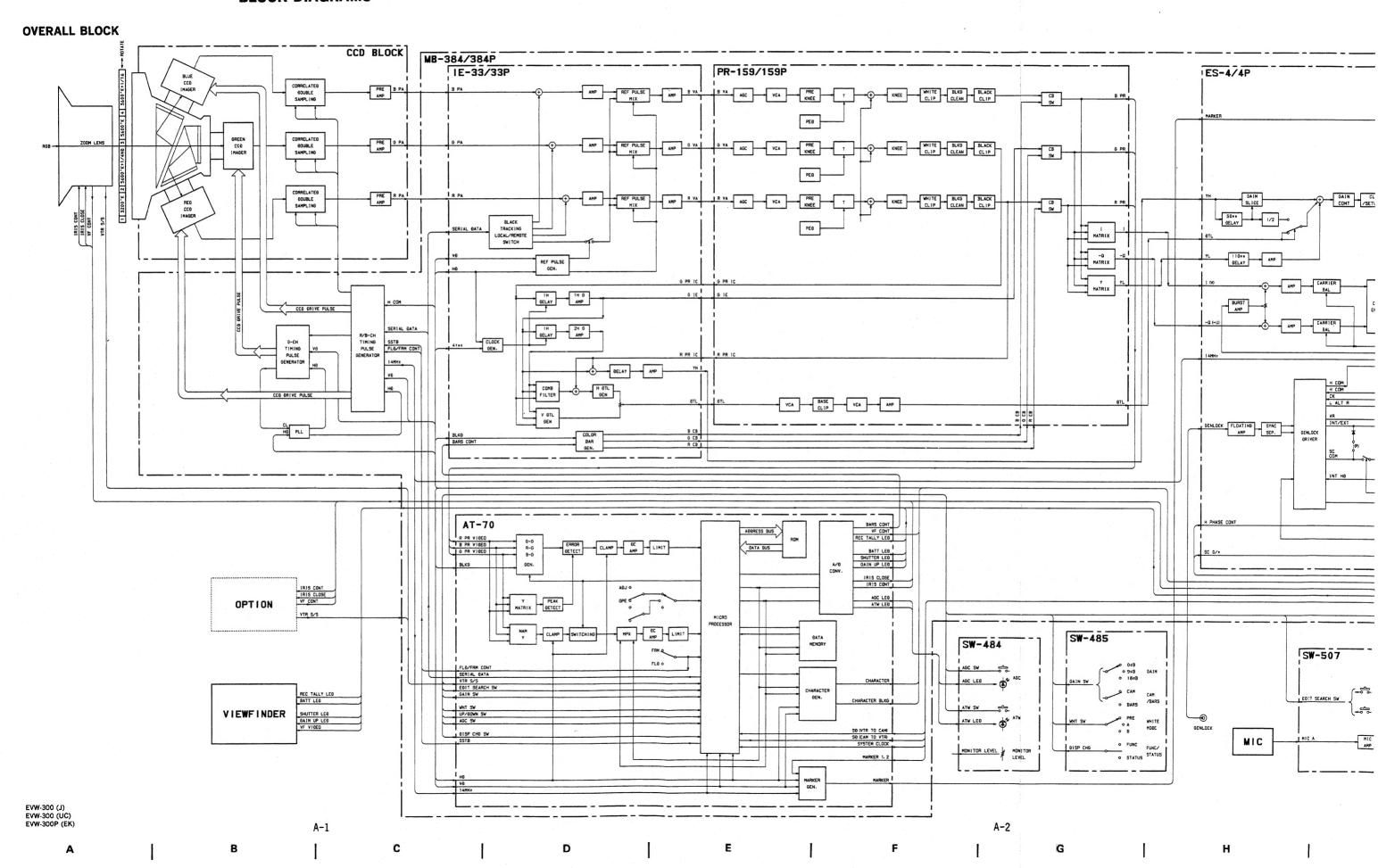
The service manual for DXF-501 and DXF-501CE has been issued as a separate manual.

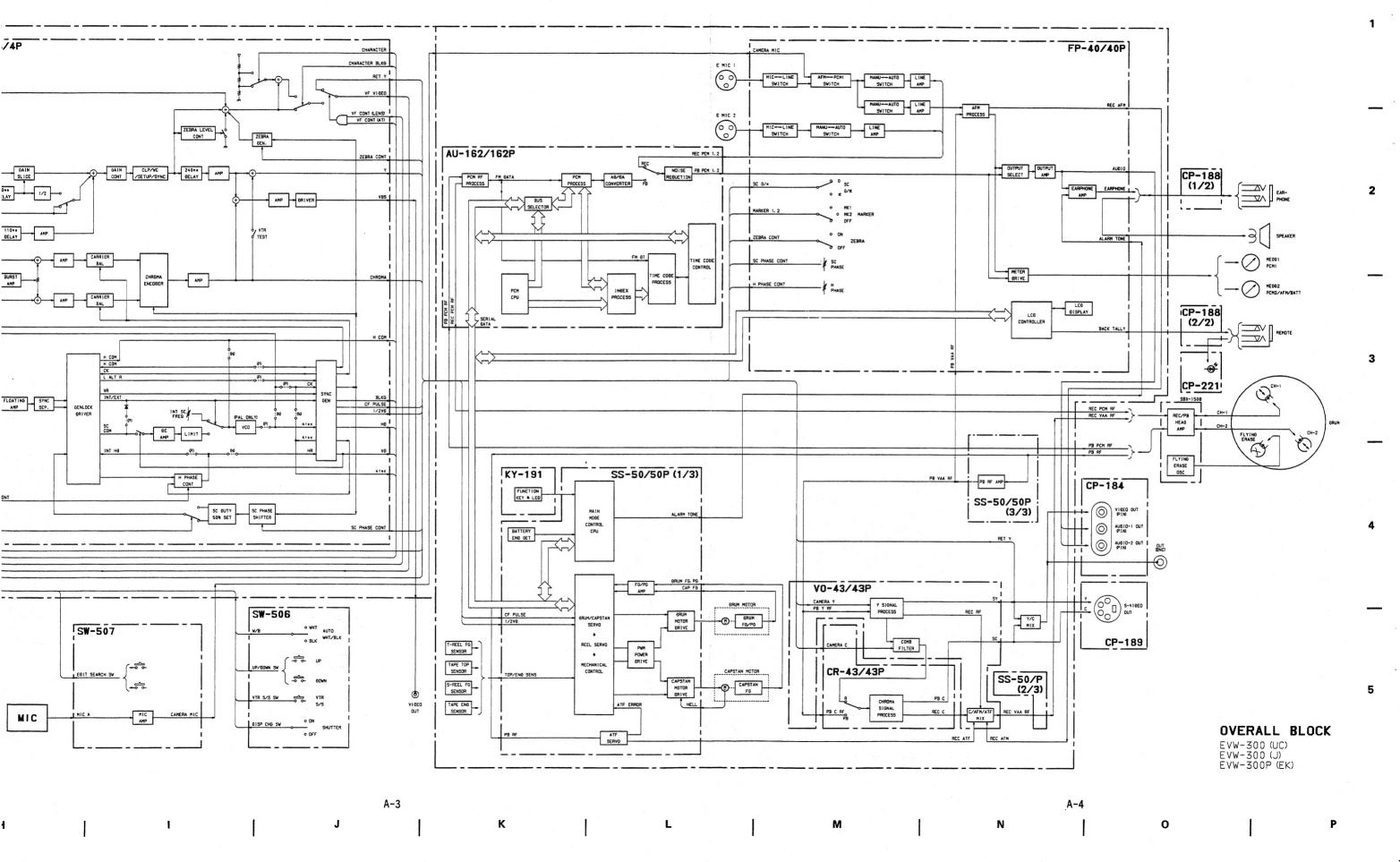
Therefore, see the following manual when servicing.

• Service manual : DXF-501/501CE Part number : 9-977-201-01

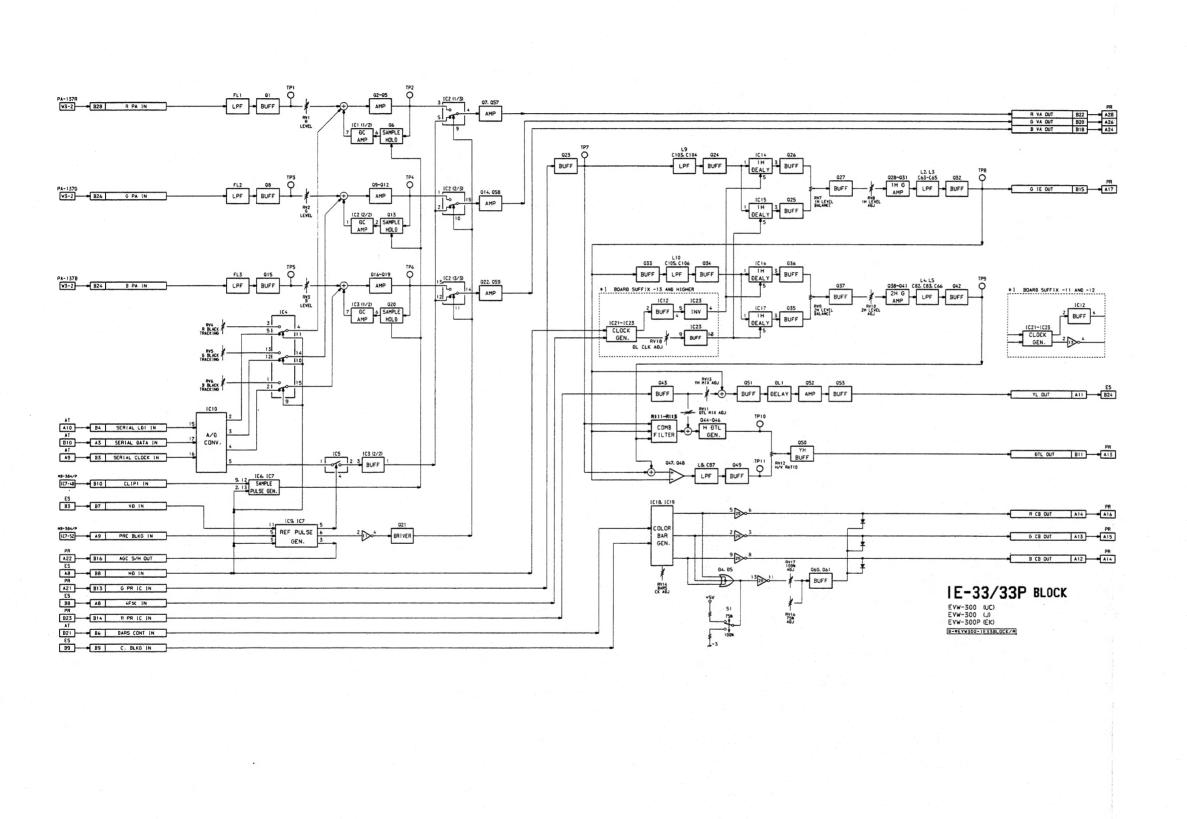


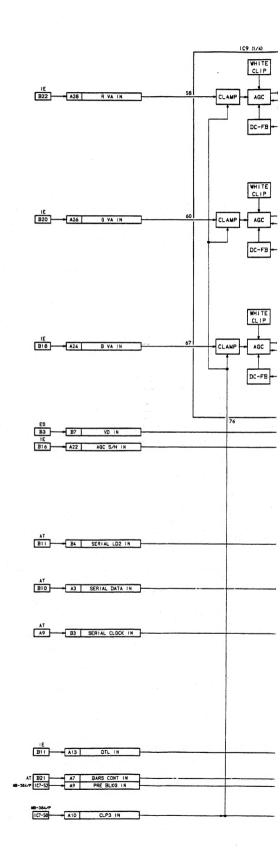
SECTION A
BLOCK DIAGRAMS



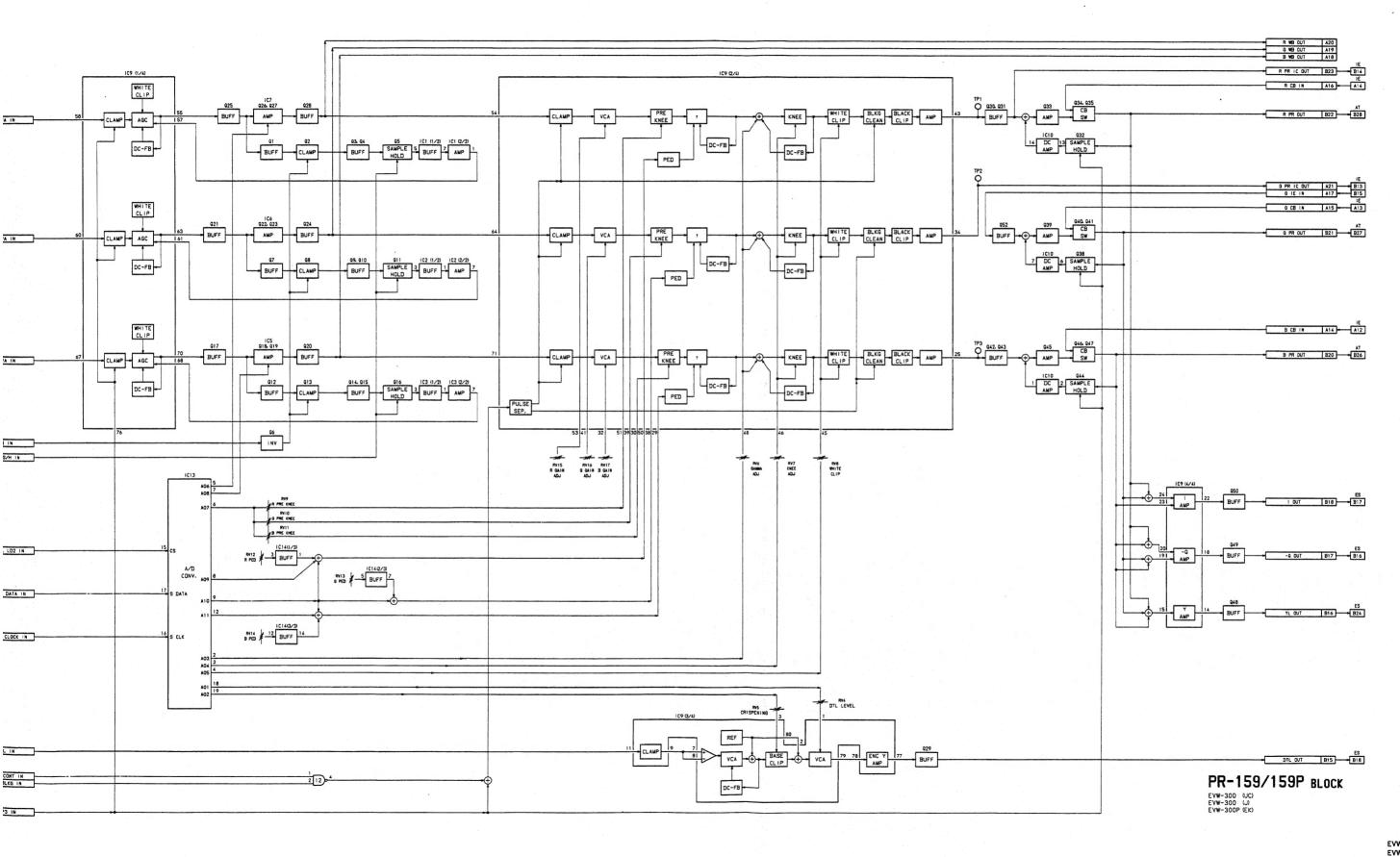


# IE-33/33P BLOCK PR-159/159P BLOCK





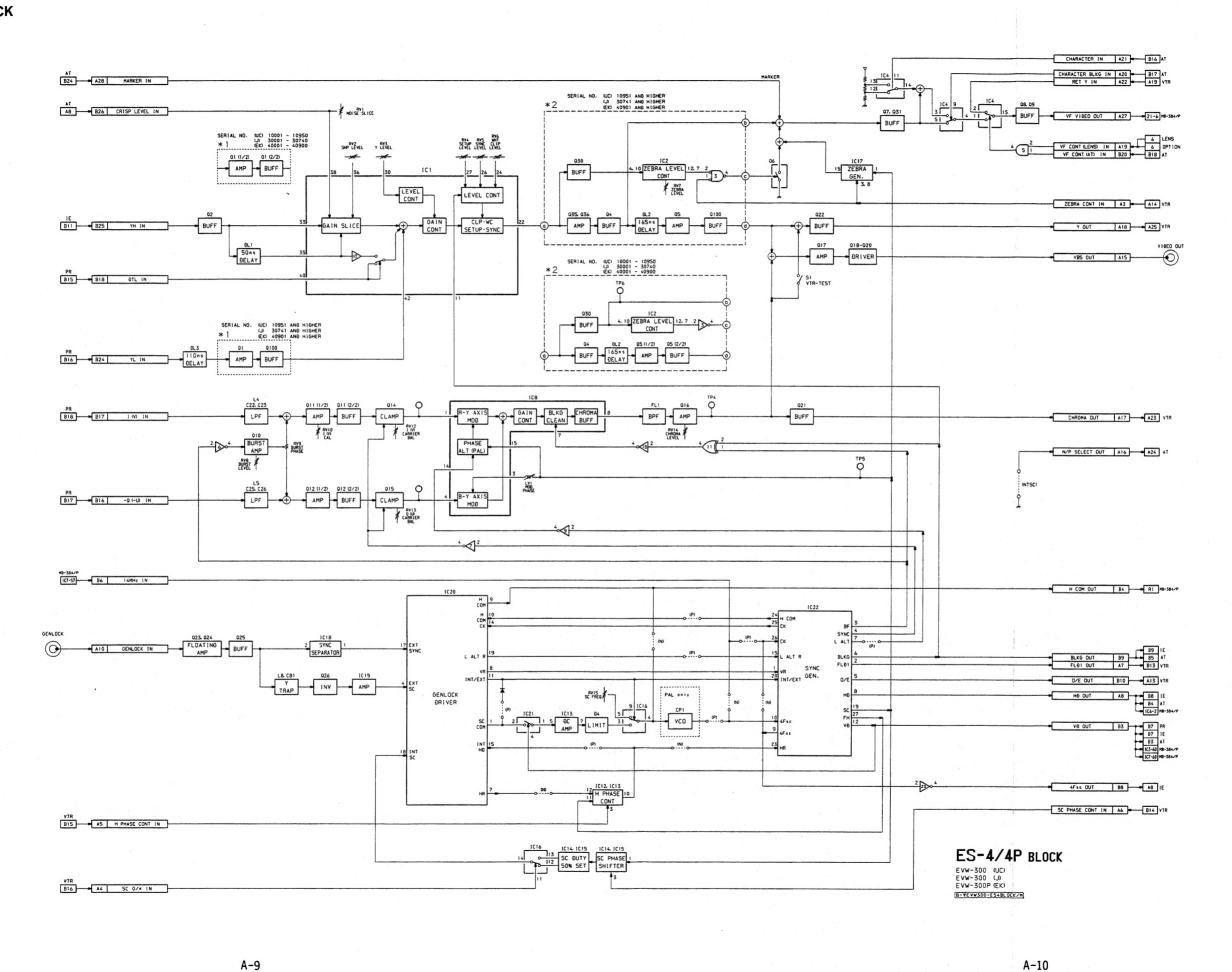
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EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

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EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

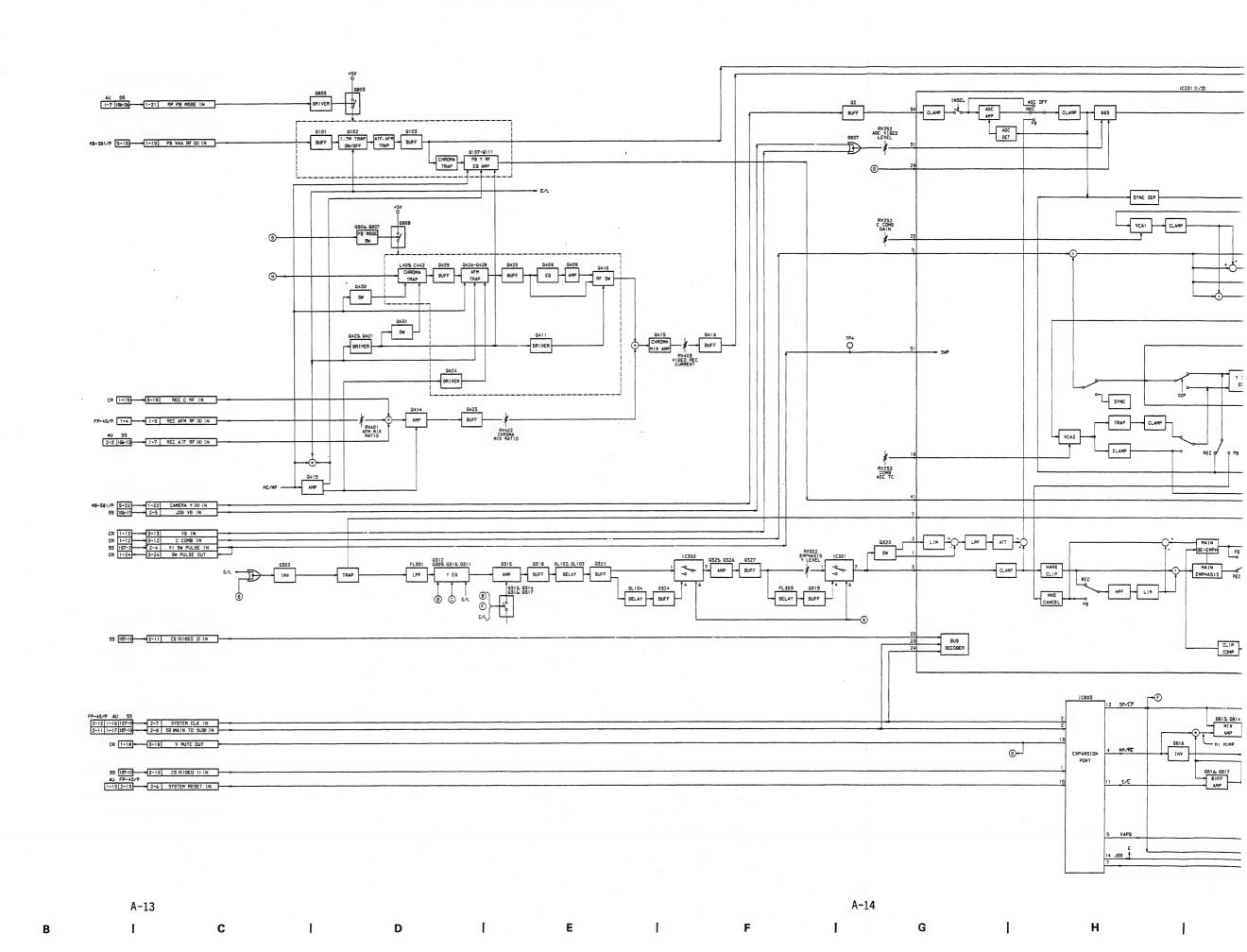
BUFF PR B22 B28 R PR VIDEO IN ADDRESS BUS BUFF DATA BUS BUFF CRISP LEVEL OUT A8 B26 ES RESET 8 ES A8 B4 HD IN 163-384/P (CZ-13)
A3 FLD/FRM CONT OUT CHARACTER DUT B16 A21 ES CHRACTER GEN. SERIAL CLOCK OUT A9 B3 PR
B3 IE
IC7-5 80-3 SERIAL DATA OUT BIO A3 PR MARKER GUT B24 A28 ES AT-70 BLOCK
EVW-300 (UC)
EVW-300 (U)
EVW-300P (EK) 

EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

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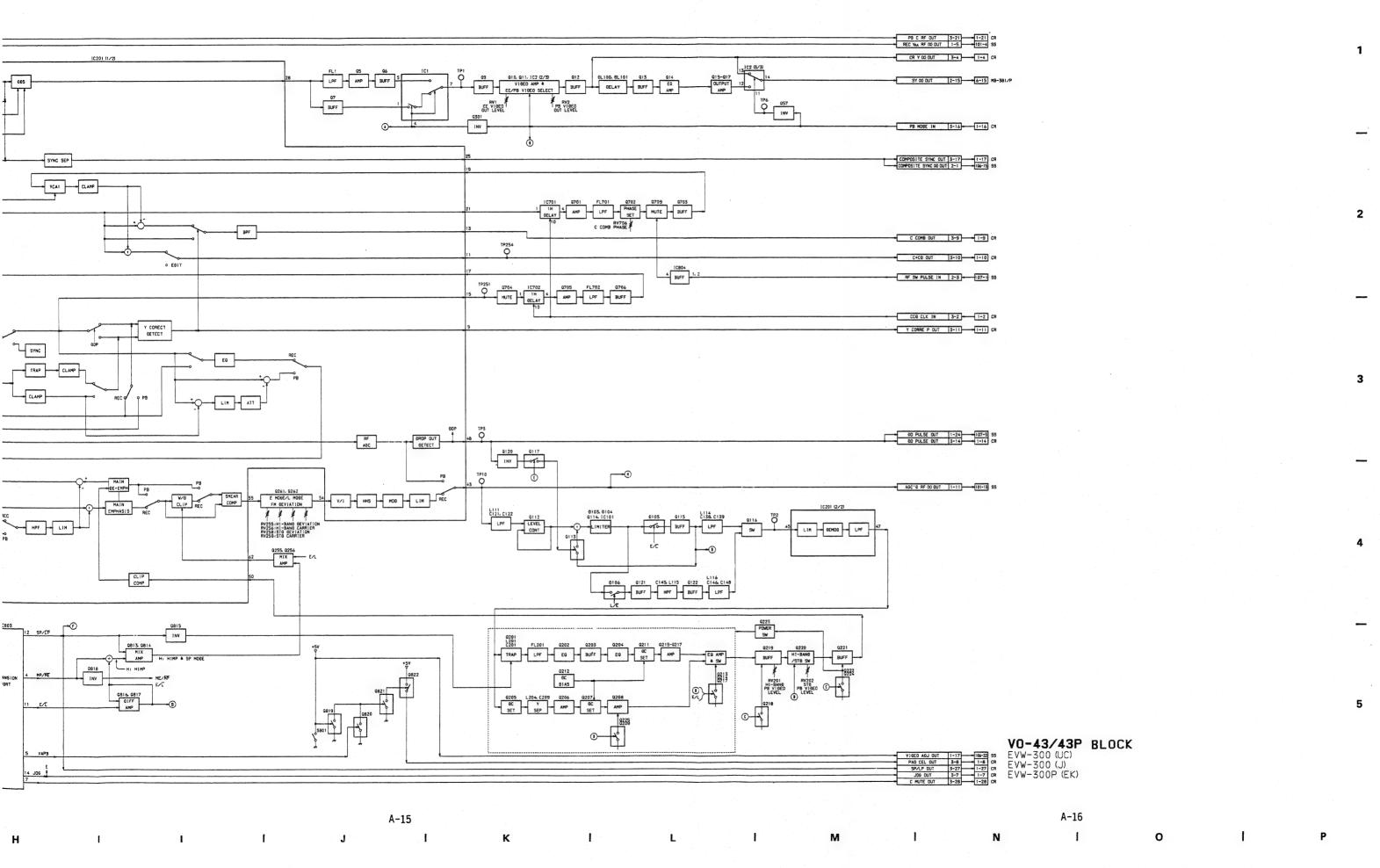
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## VO-43/43P BLOCK

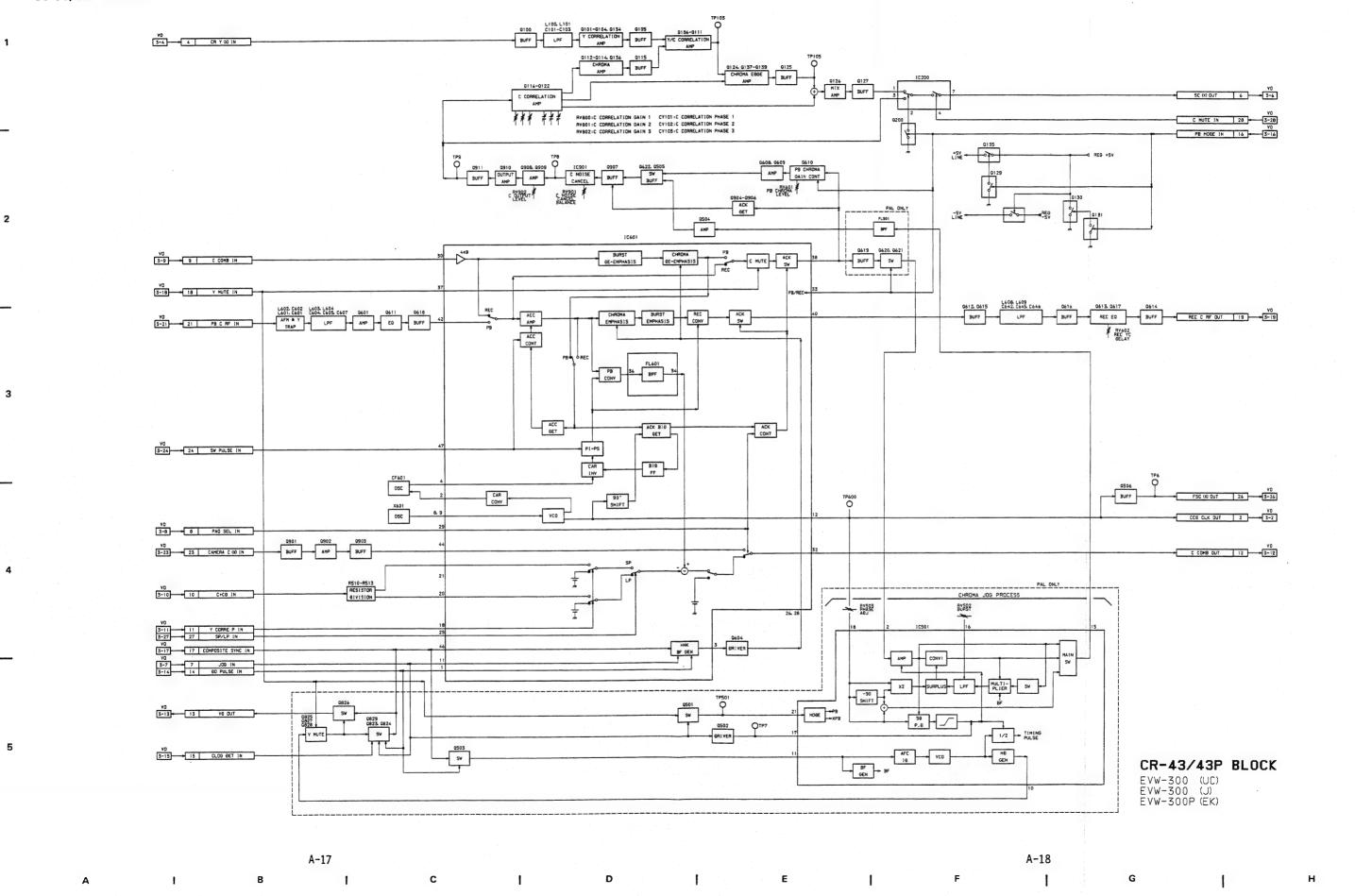


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EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

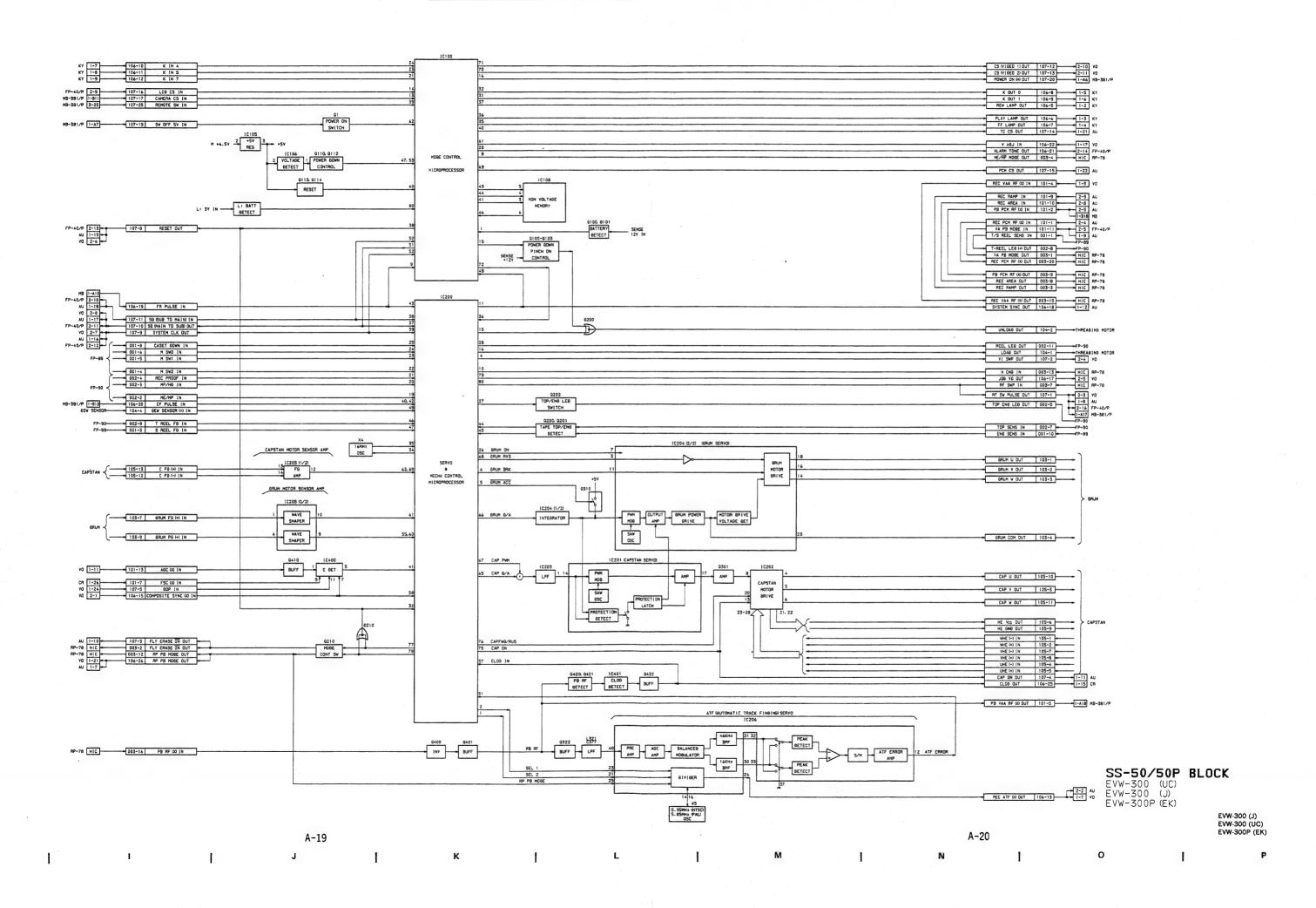


CR-43/43P BLOCK SS-50/50P BLOCK



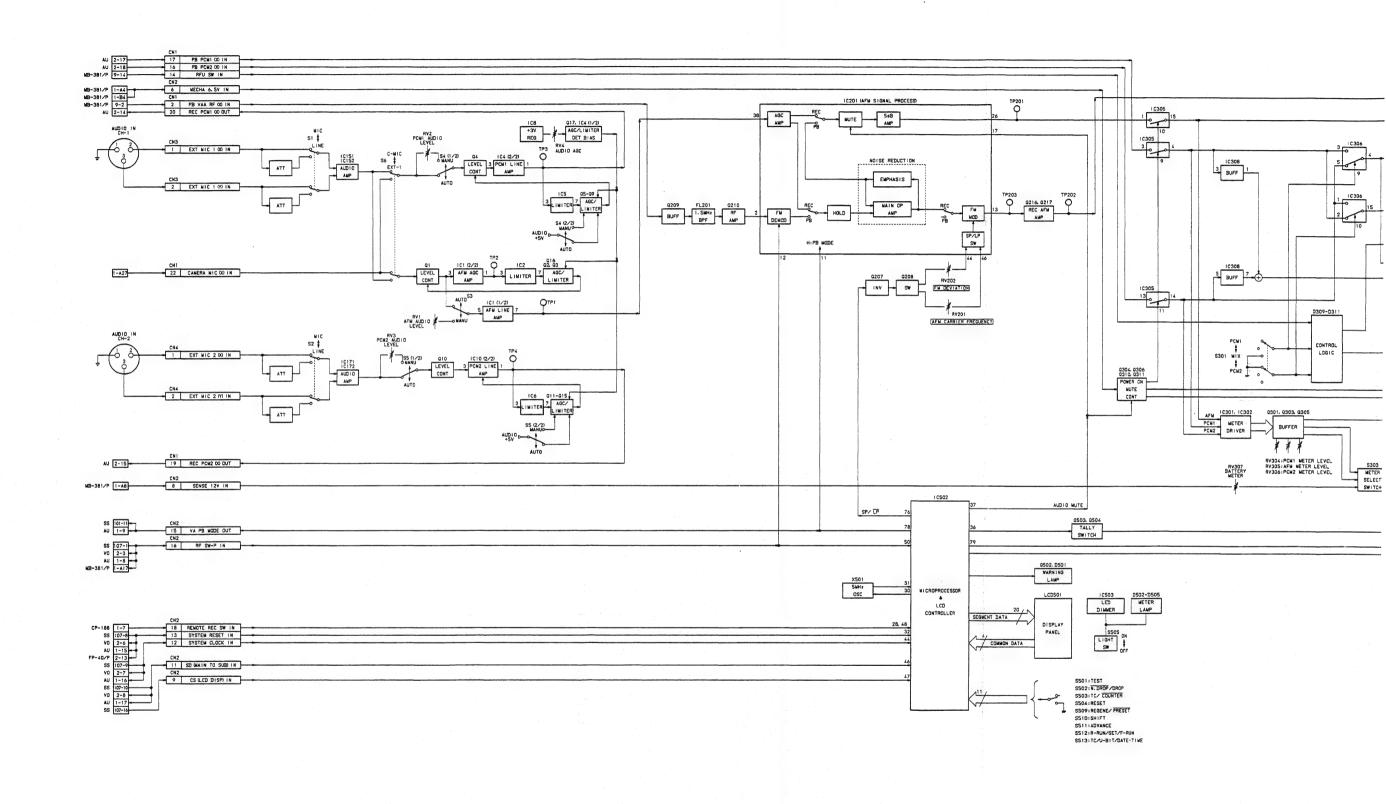
VO [1-11]

RP-78 HIC



Н

### FP-40/40P BLOCK

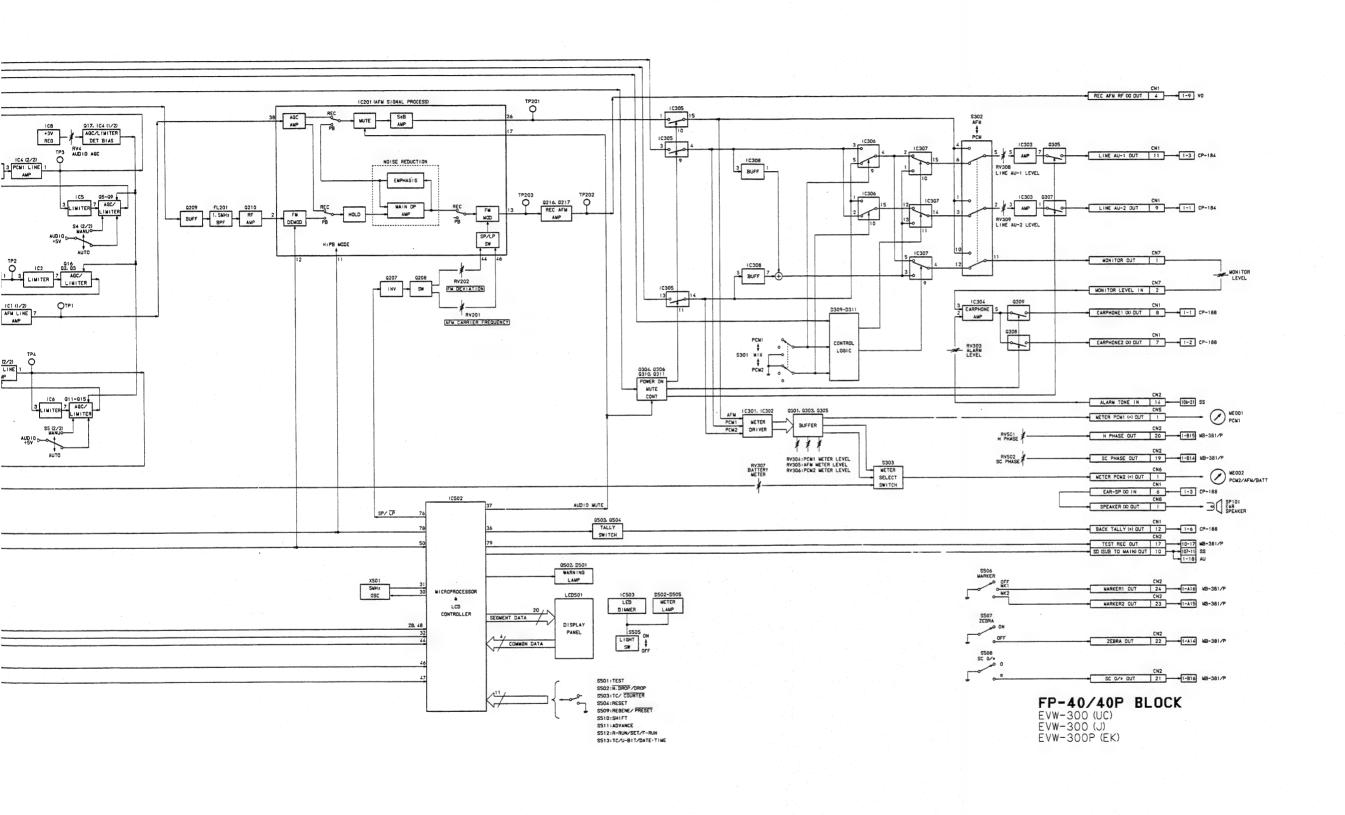


EVW-300 (J)
EVW-300 (UC)
EVW-300P (EK)

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A | B | C | D | E | F | G | H |

1



I H I I J

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G

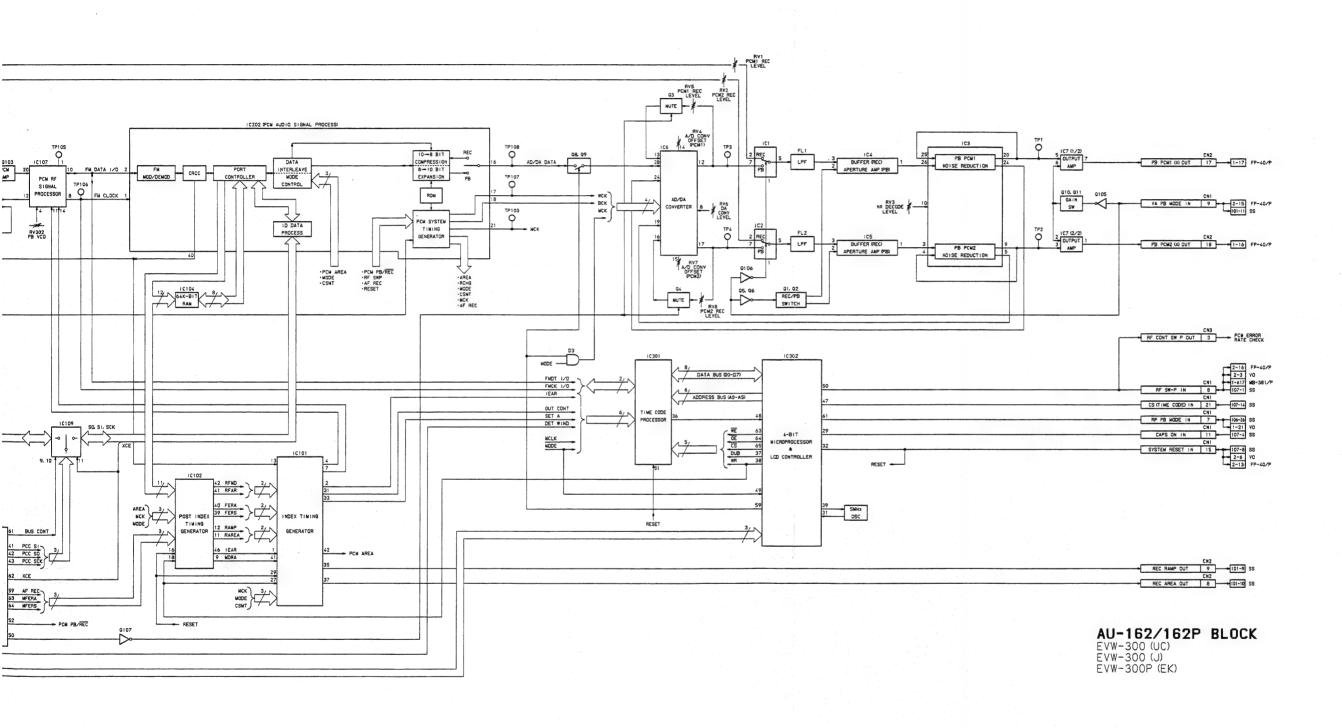
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1. 1 a

J

A-23

AU-162/162P BLOCK



EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

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G

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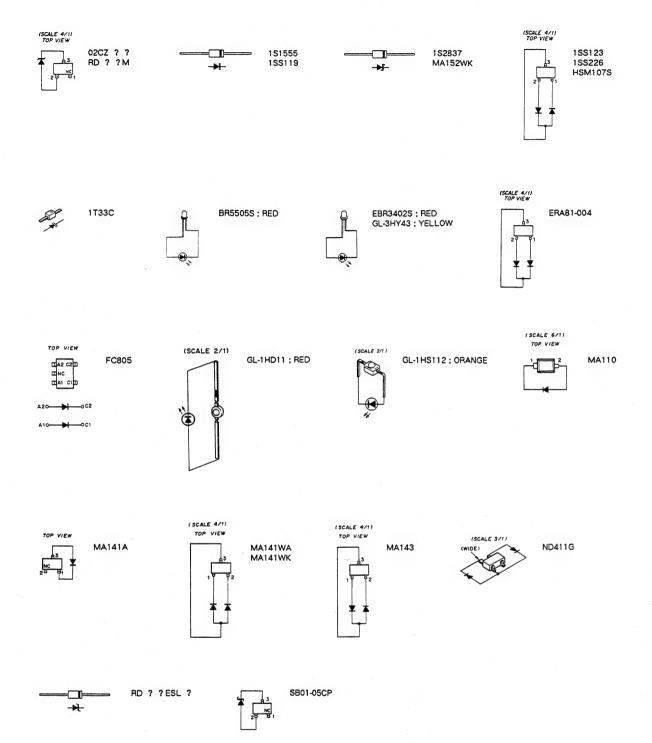
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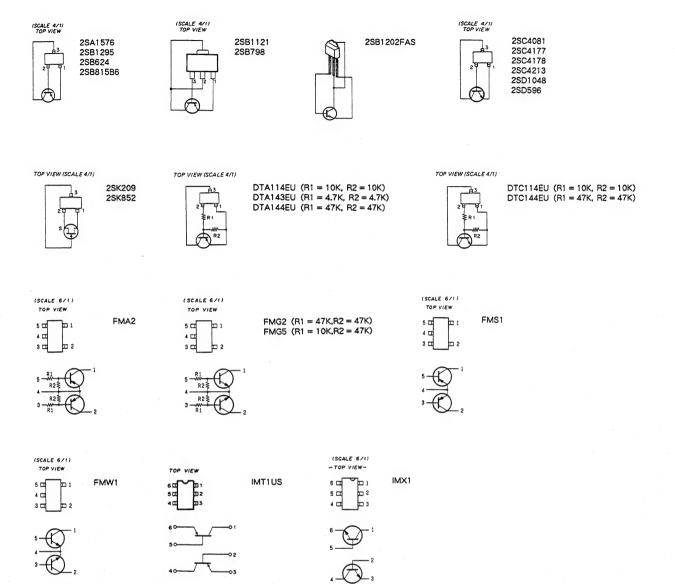
K

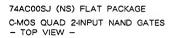
# SECTION B SEMICONDUCTOR PIN ASSIGNMENT

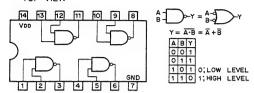
The circuit diagram of IC is obtained from the IC data book published by the manufacturer.

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02CZ ? ?	····· B-2	DTA144EU	···· B-3	S-8054ALR-LN	
		DTC114EU	···· B-3	S-81230AG-RB	···· B-22
1S1555 ·····	····· B-2	DTC144EU	···· B-3	S-81250HG-RD	···· B-22
1S2837				SB01-05CP	
		EDD34036	D 2	SC7S02F	
1SS119 ······		EBR3402S			
1SS123 ······	···· B-2	ERA81-004 ·····	··· B-2	SN74HC74ANS	
1SS226 ······	····· B-2			SN74HC76NS	···· B-22
1T33C	····· B-2	FC805 ·····	··· B-2	SN74LS123NS	···· B-22
		FMA2			
2SA1576	P 2	FMG2		TC40H000F	0.22
2SB1121		FMG5		TC40H008F	
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14/00/00	54	I MA1001MA	D 10		
********		LM1881M		TL064CNS	
AN2011S	····· B-4	LM2903M		TL431CPS	
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CF77309FR	R. A	M62352GP		UPD6142G-101	
CX20099		M6M80011AFP		UPD75106GF-734-3BE	
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CXD1077M		MC141600FU			
CXD1208Q		MC14577BF			
		MC14571BI	D-Z I		
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CXD1217M		ND411G			
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CXD2107M		NJM319M	··· B-21		
CXD8154M		NJM360M			
CXK5864BM-12L		NJM386M			
		NOIVIOGOIVI	0-21		
CXL5502M			2.01		
CXL5504M		RC1496M			
CXP5078H	B-30	RC4558M	··· B-22		
CXP80116-Q		RC4560M	··· B-22		
OVE 00 LIO-04	ט-טע	RD ? ? ESL ?			
DTA 11 AELI	D 2	RD ? ?M			
DTA114EU					
DTA143EU	···· b-3	RH5RA50A	D-22		





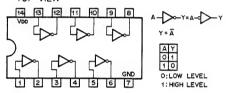




NOTE:	
TYPE	Voo
TC74AC00 TYPE	+2 to +5.5V
MC74HCT00N	+5V
74ACT00 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

# 74AC04SJ (NS) FLAT PACKAGE

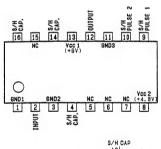
C-MOS HEX INVERTERS - TOP VIEW -

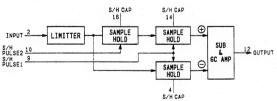


IOTE :	
TYPE	Voo
74HCT04 TYPE	+5V
TC74AC04 TYPE	+2 to +5.5V
74ACT04 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

#### AN2011S (MATSUSHITA)

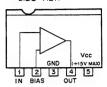
CORRELATION DOUBLE SAMPLING PROCESSER TOP VIEW





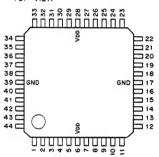
#### BA401 (ROHM)

RF AMPLIFIER - SIDE VIEW -



#### CF77309FR (TI)

C-MOS TIMING GENERATOR FOR  $8\,\mathrm{mm}$  VTR ADDRESS SYSTEM - TOP VIEW -

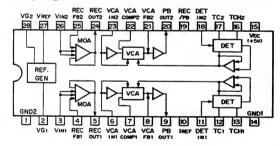


 $(V_{DD} = +5V)$ 

PIN NO.	1/0	SIGNAL	PIN NO.	1/0	SIGANL	PIN NO.	1/0	SYGNAL	PIN NO.	1/0	SYGNAL
1	1	IEAR	12		CSMT	23	0	LCLK	34	T	RAMP
2	0	SIEAR	13	- 1	CRCMON1	24	0	SW POS	35	0	SRAMP
3	1	RFMDZ	14	1	FMCK	25	1	CAM/DECK	36	-	RAREA
4	0	SRFMD	15	1	P1/P2	26	1	MODE	37	0	SRARE
5	-1	RFAR	16	- 1	AUTO	27	- 1	WRITE	38	1	DRSWP
6	-	Voo	17	-	GND	28	-	Voo	39	-	GND
7	0	SRFAR	18	1	MCLK1	29	1	RESET	40	0	S DRSWP
8	1	FERA	19	0	MCLK2	.30	1	RFSWP	41	1	MDAR
9	0	SFERA	20	- 1	SREF	31	0	OUT CNT	42	0	S MDAR
10	-	FERS	21	0	PCO	32	0	SET 1	43	1	TEST 1
11	0	SFERS	22	-1	NTSC/PAL	33	0	SET1010	44	1	TEST 2

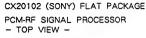
#### CX20099 (SONY) FLAT PACKAGE

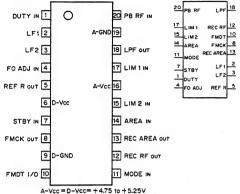
VOLTAGE CONTROLLED AMP/DETECTOR/MAIN OPERATIONAL AMP - TOP VIEW -



DET ; DETECTOR

TC; TIME CONSTANT
TCH; TIME CONSTANT HOLD
VCA; VOLTAGE CONTROLLED AMP





A - Vcc = D - Vcc = +4.75 to +5.25V

1	INPUT		OPERATION	
STB	Y   MODE	AREA	OPERATION	
0	X	X	POWER SAVE	
1	1	X	PB	
1	0	1	REC	
1	0	0	REC STANDBY	

AREA INPUT (C MOS LEVEL)
SAMPLING PHASE FINE ADJUSTMENT
VCO FREE RUN FREQUENCY ADJUSTMENT
LIMITER INPUT
REC/PB SELECTOR (C MOS LEVEL)
VOLTAGE FOLLOWER INPUT
POWER SAVE CONTROL INPUT
L: STAND BY (C MOS LEVEL)

INPUT AREA DUTY F0 ADJ LIM 1, 2 MODE PB RF STBY

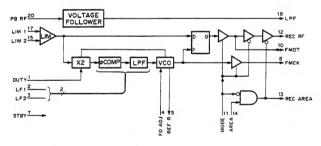
OUTPUT FMCK LPF REC AREA REC RF REF R

: CLOCK OUTPUT : VOLTAGE FOLLOWER OUTPUT : REC AREA OUTPUT (C MOS LEVEL) : REC MODE RF OUTPUT (C MOS LEVEL) : RESISTOR EXTERNAL ATTACHED VCO

INPUT/OUTPUT FMDT : I DATA INPUT/OUTPUT

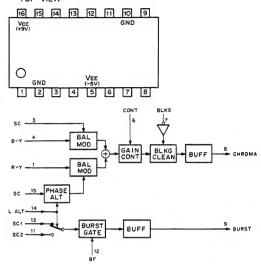
OTHER LF1, 2

: EXTERNAL LOOP FILTER TIME CONSTANT



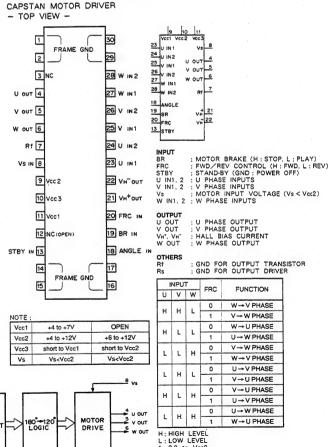
#### CX22017 (SONY)

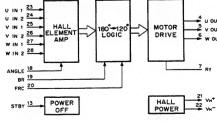
VIDEO SIGNAL PROCESSOR TOP VIEW -



#### CXA1127M (SONY) FLAT PACKAGE

CAPSTAN MOTOR DRIVER



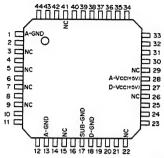


H: HIGH LEVEL L: LOW LEVEL 1: 2.0 to Vcc2 0: 0 to 0.3V

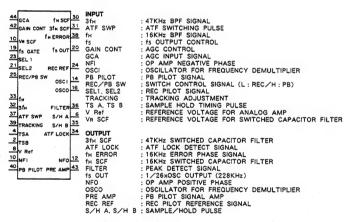
EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

#### CXA1204Q (SONY) FLAT PACKAGE

C-MOS ATF (Automatic Track Finding) FOR 8mm VTR - TOP VIEW -

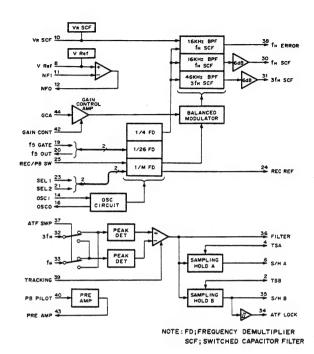


					()	4 – Va	c = D	- Vcc = + 5V)
PIN NO.	1/0	SYMBOL	PIN NO.	1/0	SYMBOL	PIN NO.	1/0	SYMBOL
1	-	A-GND	16	0	osco	31	0	3fH SCF
.2	. 1	TSB	17	-	SUB-GND	32	1	Зfн
3	-	NC	18	-	D-GND	33	1 -	fH .
4	- 1	TSA	19	1	fs GATE	34	0	ATF LOCK
5	-	NC	20	0	fs OUT	35	0	S/H B
6	0	S/H A	21	1	SEL2	36	0	FILTER
7	-	NC	22	-	NC	37	1	ATF SWP
8	1	VREF	23	1 .	SEL1	38	0	fH ERROR
9	-	NC	24	0	REC REF	39	ı	TRACKING
10	- 1	VR SCF	25	1	REC/PB SW	40	1	PB PILOT
11	_	NFI	26	-	NC	41	-	NC
12	0	NFO	27	-	D-Vcc	42	1	GAIN CONT
13	-	A-GND	28	-	A-Vcc	43	0	PRE AMP
14	1	OSCI	29	-	NC	44	1	GCA
15	-	NC	30	0	fit SCF			



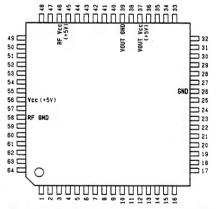
INF	TUS	DIVIDING					
SEL1	SEL2	RATIO					
0	0	1/40					
. 0	1	1/50					
1	0	1/36					
1	1	1/58					
: LOW	LEVEL	(up to 0.5V)					

1 : HIGH LEVEL (at least 3.5V)

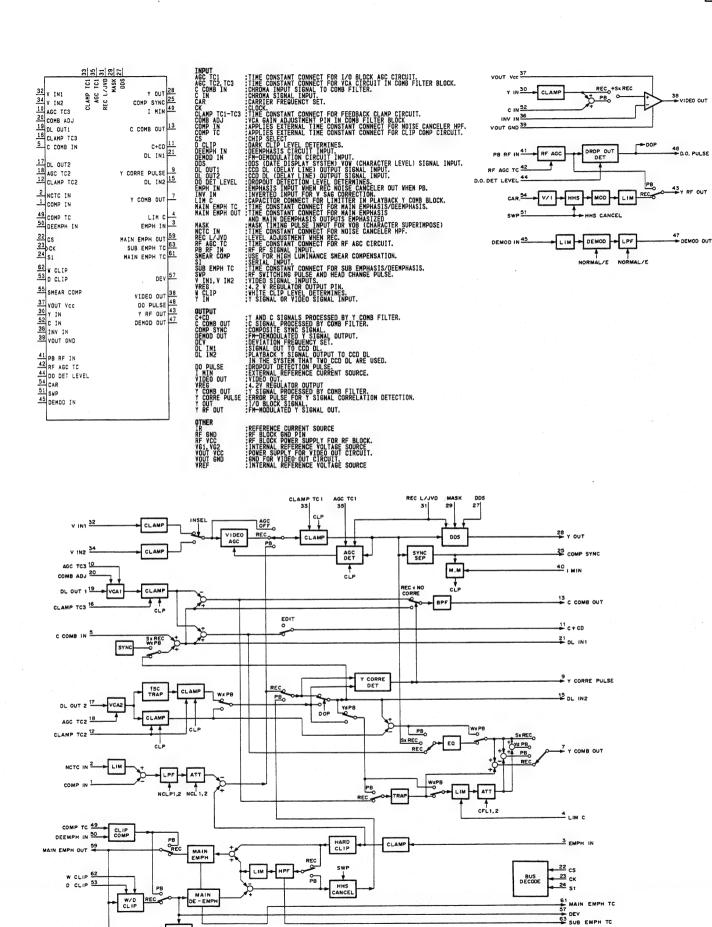


#### CXA1207AR (SONY)

8mm VTR LUMINANCE SIGNAL PROCESSING - TOP VIEW -



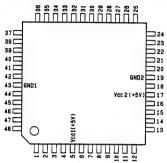
											(Ycc =+5V)
Pia No	1/0	SIGNAL	Pia No	1/0	SIGNAL	Pia No	1/0	SIGNAL	Pia No	I/0	SIGNAL
1	I	COMP IN	17	I	DL OUT2	33	I	CLAMP TC1	49	I	COMP TC
2	I	NCTC IN	18	I	AGC TC2	34	I	V IN2	50	I	DEEMPH IN
3	I	EMPH IN	19	I	DL OUT1	35	I	AGC TC1	51	I	SWP
4	1	LIN C	20	I	COMB ADJ	36	I	INV IN	52	I	C IN
5	I	C COMB IN	21	0	DL IN1	37	-	YOUT Yec	53	I	D CLIP
6	-	VREG	22	I	CS	38	0	VIDEO OUT	54	I	CAR
7	0	Y COMB OUT	23	I	CK	39	-	VOUT GND	55	I	SHEAR COMP
8	-	IR	24	I	SI	40	I	I MIN	56	-	Vcc
9	0	Y CORRE PULSE	25	I	COMP SYNC	41	I	PB RF IN	57	I	DEV
10	I	ASC TC3	26	-	GND	42	I	RF AGC TC	58	-	RF GND
11	0	C+CD	27	I	DDS	43	0	Y RF OUT	59	0	MAIN EMPH OU
12	I	CLAMP TC2	28	0	Y OUT	44	I	DO DET LEVEL	60	-	V61
13	0	C COMB OUT	29	1	MASK	45	I	DEMOD IN	61	0	MAIN EMPH TO
14	-	VREF	30	I	Y IN	46	-	RF Vcc	62	I	W CLIP
15	0	DL IN2	31	I	REC L/JVD	47	0	DEMOD OUT	63	0	SUB EMPH TC
16	I	CLAMP TC3	32	I	V IN1	48	0	DO PULSE	64	-	V62



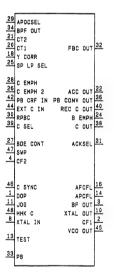
SMEAR COMP 55

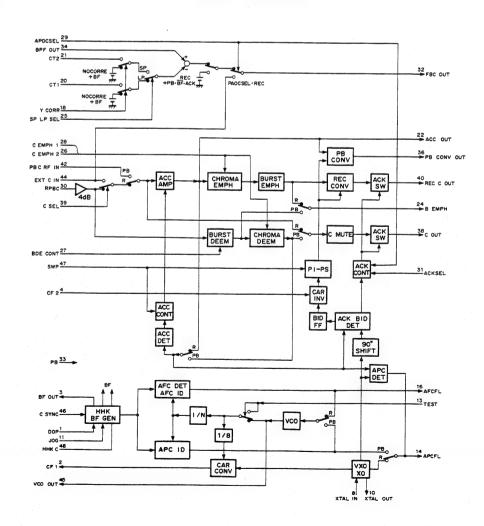
CXA1208R (SONY)

8mm VTR COLOR SIGNAL PROCESSING - TOP VIEW -

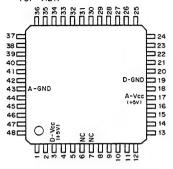


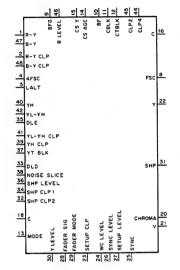
No	1/0	SYMBOL	No	1/0	SYMBOL	No	1/0	SYMBOL
1	I	DOP	17	-	Vcc2	33	I	PB
2	0	CF1	18	I	Y CORR P	34	I	BPF OUT
3	0	BF OUT	19	-	GND2	35	0	ACKBF
4	I	CF2	20	I	CT1	36	0	PB CONV OUT
5	-	Vcc1	21	I	CT2	37	I	C MUTE
6	-	IREF	22	0	ACC OUT	38	0	C DUT
7	-	VREG	23	-	-	39	I	C SEL
8	I	XTAL IN	24	0	B EMPH OUT	40	0	REC C OUT
9	-	IR	25	I	SP LP SEL	41	I	PAL
10	0	XTAL OUT	26	-	C EMPH 2	42	I	PB C RF IN
11	I	J06	27	I	BDECONT	43	-	GND1
12	0	FSC OUT	28	-	C EMPH 1	44	I	EXT C IN
13	I	TEST	29	I	PACCSEL	45	0	VCO OUT
14	- 1	APCFL	30	I	RPBC	46	I	C SYNC
15	-	DCFB	31	I	ACKSEL	47	I	SWP
16	-	AFCFI	32	n	ERC OUT	40	_	HILL C



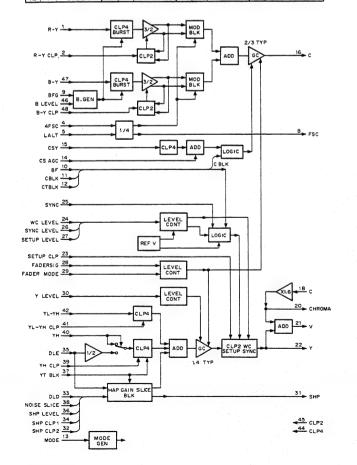


CXA1592R (SONY) FLAT PACKAGE ENCODER FOR CCD COLOR CAMERA - TOP VIEW -





PIN No.	1/0	SIGNAL	PIN No.	1/0	SIGNAL	PIN No.	1/0	SIGNAL	PIN No.	1/0	SIGNAL
1	1	R-Y	13	1	MODE	25	1	SYNC	37	1	YTBLK
2	1	R-Y CLP	14	1	CS AGC	26	1	SYNC LEVEL	38	1	NOISE SLICE
3	-	D-V∞(+5V)	15	1	CSY	27	.1	SETUP LEVEL	39	1	YH CLP
4	1	4FSC	16	0	С	28	1	FADER SIG	40	1	YH
5	1	LALT	17	-	A-Vcc(+5V)	29	1	FADER MODE	41	-1	YL-YH CLP
6	-	NC	18	1.	С	30	1	Y LEVEL	42	1	YL-YH
7	-	NC	19	-	D-GND	31	0	SHP	43	-	A-GND
8	0	FSC	20	0	CHROMA	32	1	SHP CLP2	44	1	CLP4
9	1	BFG	21	0	V	33	1	DLD	45	1	CLP2
10	1	BF	22	0	Y	34	1	SHP CLP1	46	1	B LEVEL
11	1	CBLK	23	1	SETUP CLP	35	1	DLE	47	1	B-Y
12	1	CTBLK	24	1.	WC LEVEL	36		SHP LEVEL	48	1	B-Y CLP



LALT
MODE
NOISE SLICE
R-Y, B-Y
R-Y, B-Y CLP
SETUP CLP
SETUP LEVEL
SHP CLP1, 2 SHP LEVEL
SYNC
SYNC LEVEL
WC LEVEL
Y LEVEL
YH
CLP
YH
YL-YH
YL-YH
YTBLK OUTPUT C CHROMA FSC SHP V Y

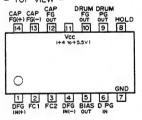
INPUT 4FSC B\_LEVEL

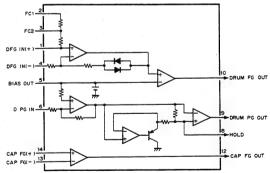
BF BFG

: 4FSC USED TO MAKE UP THE SUB CARRIER
: CONTROLS THE BURST LEVEL
BURST FLAG PULSE
: INSERTS PULSE SLIGHT LARGER THAN BF ON BOTH ENDS
: INSERTS PULSE SLIGHT LARGER THAN BF ON BOTH ENDS
: INPUT FOR CHROMA SIGNAL PASSED THROUGH BPF
: COMPOSITE BLANKING PULSE
: CLAMP2, 4 PULSE iNPUT
: SUPPRESS CHROMA SIGNAL AT THE AGC GAIN CONTROL SIGNAL
: SUPPRESS CHROMA SIGNAL AT THE Y SIGNAL
: CONNECTS THE DELAY LINE DRIVE SIDE OF THE APERTURE SIGNAL
: CONNECTS THE DELAY LINE DRIVE SIDE OF THE APERTURE SIGNAL
: CONNECTS THE DELAY LINE END SIDE OF THE APERTURE SIGNAL
: CONNECTS THE DELAY LINE END SIDE OF THE APERTURE SIGNAL
: BLACK FADER AND WHITE FADER MODE SELECT
: CONTROLS THE SIGNAL SUPPRESS LEVEL DURING BLACK FADER, CONTROLS
THE SIGNAL SUPPRESS LEVEL DURING WHITE FADER AND AT THE SAME TIME
CONTROLS THE SIC LEVEL OF THE APERTURE SIGNAL
: INPUT FOR LINE ALTERNATE SIGNAL DURING PAL MODE
: SELECTS NTSC, PAL OR NTSC X2, PAL ×2 MODES
: CONTROLS THE SICLE LEVEL OF THE APERTURE SIGNAL
: RY, BY SIGNAL
: CONNECTING THE CAPACITOR FOR RY, BY MODULATOR CLAMP
: CONNECTING THE CAPACITOR FOR RY, BY MODULATOR CLAMP
: CONNECTING THE CAPACITOR FOR RY, BY MODULATOR CLAMP
: CONNECTING THE CAPACITOR SIGNAL LEVEL
: STNC LEVEL CONTROL
: CONNECTS THE CLAMP CAPACITOR USED FOR THE SLICE OF THE APERTURE
: SIGNAL
: CONTROL OF THE APERTURE SIGNAL LEVEL
: STNC LEVEL CONTROL
: YH SIGNAL
: CONTROL OF THE APERTURE SIGNAL SAND YL-YH SIGNALS
: CONNECTS THE CAPACITOR FOR YL-YH INPUT CLAMP
! Y TITLER PULSE
: CHROMA SIGNAL OUTPUT C CBLK CLP2, 4 CS AGC CSY CTBLK DLD DLE FADER MODE FADER SIG CHROMA SIGNAL OUTPUT WHEN USED FOR Y/C SEPARATION OUTPUT OUTPUTS A SUB CARRIER WITH THE SAME PHASE AS BY APERTURE SIGNAL COMPOSITE VIDEO SIGNAL Y SIGNAL OUTPUT WHEN USED FOR Y/C SEPARATION OUTPUT

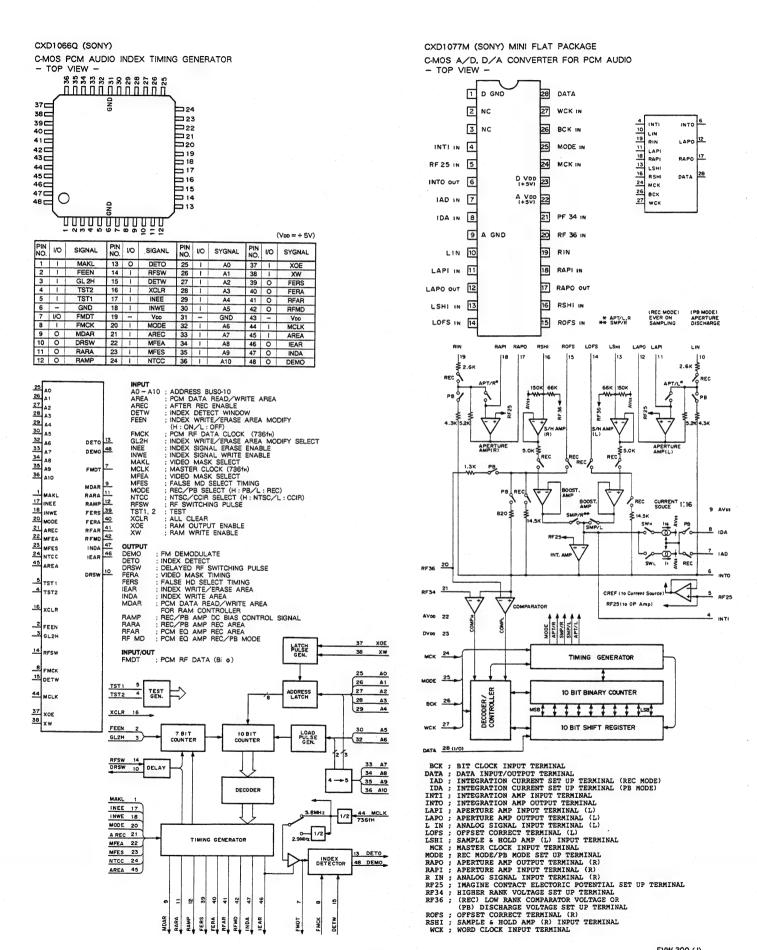
CXA8010M (SONY) FLAT PACKAGE

MOTOR SENSE AMPLIFIER FOR 8mm VTR TOP VIEW -



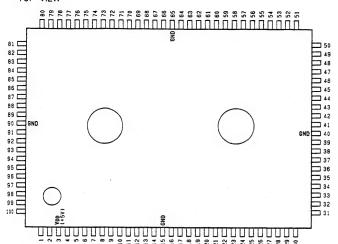


EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

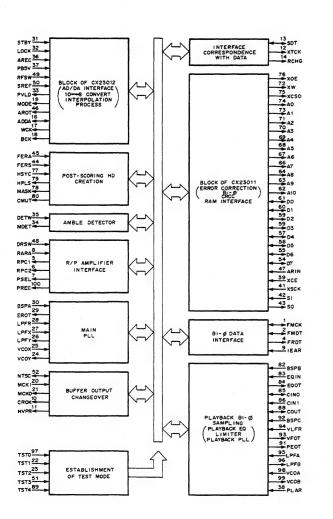


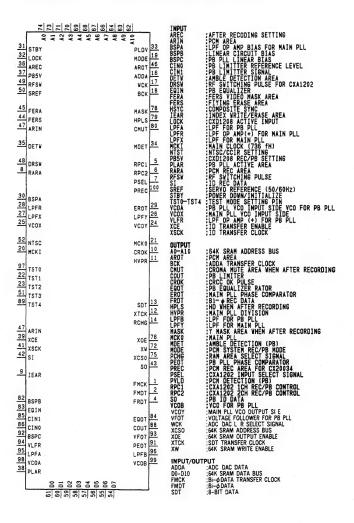
#### CXD1208Q (SONY)

C-MOS PCM AUDIO SIGNAL PROCESSOR FOR 8mm VIDEO - TOP VIEW -

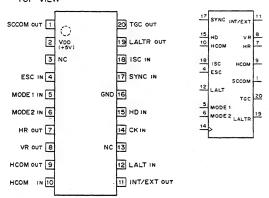


No	1/0	SIGNAL	No	1/0	SIGNAL	No :I/0	SIGNAL	No	1/0	SIGNAL
1	1/0	FHCK	26	0	LPFY	51 1	TST3	76	0	XOE
2	1/0	FMDT	27	I	LPFX	52   I	NTSC	77	I	HSYC
3 !	-	VDD	28	· I	LPFR	53! -	VDD	78	0	MASK
4:	0	FRDT	29	0	EROT	54:1/0	D7	79	0	HPLS
5	0	RPC1	30	I	BSPA	55 1/0	D6	80	0	CHUT
6	0	RPC2	31	I	STBY	56 1/0	D5	81	1	AVDD
7:	0	PSEL	32	1	LOCK	57:1/0	D4	82	I	BSPB
8	I	RARA	33	0	PYLD	58 ;I/0	D3	83	I	EQIN
9 :	I	IEAR	34	0	MDET	59:1/0	D2	84	0	EQOT
10	0	CROK	35	I	DETY	60 1/0	D1	85	I	CIN1
11	0	HVPR	36	I	AREC	61 1/0-	DO	86	I	CINO
12	0	XTCK	37	I	PB5V	62 0	A10	87	I	AVSS
13	1/0	SDT	38	I	PLAR	63 : 0	A9	88	0	COUT
14	0	RCHG	39	I	XCE	64   0	A8	89	I	TST4
15	-	GND	40	-	GND	65 : - :	GND	90	-	GND
16	1/0	ADDA	41	I	XSCK	66 0	A7	91	0	PEOT
17	0	WCK	42	I	SI	67   0	A6	92	I	BSPC
18	0	BCK	43	0	S0	68   0	A5	93	0	VFOT
19	0	MODE	44	I	FERS	69 0	A4	94	I	VLFR
20	1	MCKI	45	I	FERA	70 0 1	A3	95	1	LPFA
21	0	MCKO	46	0	ARCT	71 0	A2	96	0	LPFB
22	I	TST1	47	I	ARIN	72 0	X¥.	97	I	TSTO
23	1	TST2	48	I	DRSW	73 0	. A1	98	1	VCDA
24	0	VCOY	49	I	RFSV	74 0	AO	99	0	VCOB
25	I	VCOX	50	I	SREF	75 0	XCSO	100	0	PREC



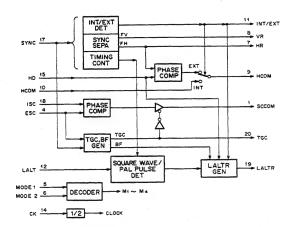


#### CXD1216M (SONY) FLAT PACKAGE C-MOS GENLOCK DRIVER - TOP VIEW -



INF	PUT	MODE	SYSTEM
MODE1	MODE2	WODE	3137214
0	0	M1	PAL-VBS
1 .	0	M2	PALM-VBS
0	1	МЗ	PAL,SECAM-VS/SC/LALT
1	1	M4	NTSC-VBS,NTSC-VS/SC PALM-VS/SC/LALT

0 : LOW LEVEL 1 : HIGH LEVEL

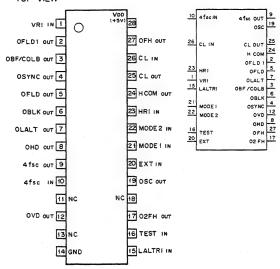


INPUT CK

41sc CLOCK INPUT SC\_COLOR BURST PHASE COMPARATE FROM CXD1217 H DRIVE FROM CXD1217 SUBCARRIER FROM CXD1217 LALT FROM REFERENCE SIGNAL GENERATOR SYSTEM SELECT SYNC FROM REFERENCE SIGNAL GENERATOR MODE1,2 SYNC

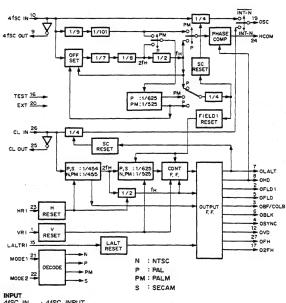
OUTPUT HCOM HR INT/EXT LALTR SCCOM TGC VR : PHASE COMPARATOR HR WITH HD : fH OF SYNC SEPARATE : INTERNAL/EXTERNAL SPECIFIED : LINE CHANGE RESET : PHASE COMPARATOR ESC WITH ISC : TRISTATE CONTROL : fV OF SYNC SEPARATE

# CXD1217M (SONY) FLAT PACKAGE C-MOS SYNC GENERATOR - TOP VIEW -



SYSTEM	4fsc	CLOCK
NTSC	910fн	910fH
PAL	1135fn+2fv	908fn
PALM	909fн	910fн
SECAM	_	908fH

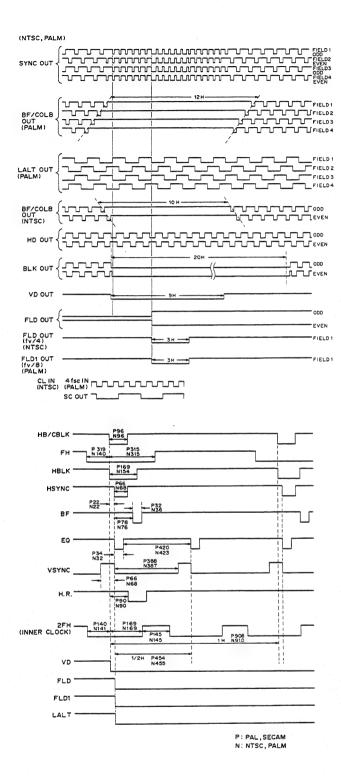
	TU	SYSTEM
MODE1	MODE2	STSTEM
0	0	NTSC
0	1	SECAM
1 .	0	PALM
1	1	PAL
0 ; LOW 1 ; HIGH		

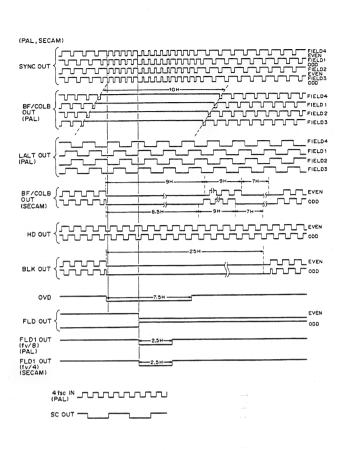


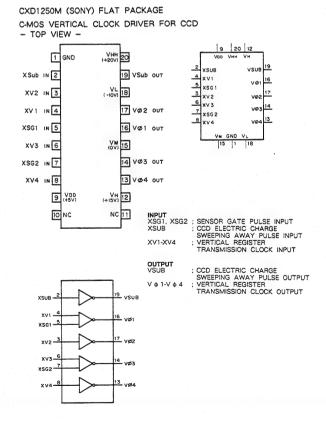
INPUT 4fSC IN CL IN EXT : 4fSC INPUT : CLOCK INPUT : SYNC MODE SELECT (L; INTERNAL/H; EXTERNAL) : H RESET : LINE CHANGE RESET : SYSTEM SELECT ; V RESET HRI LALTRI MODE 1,2 VRI

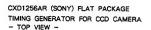
OUT PUT 4fSC OUT CL OUT HOOM : 4fSC OUTPUT
: CLOCK OUTPUT
: PHASE COMPARATOR
: 2fH OUTPUT
: BURST FLAG/COLOR BLANKING
: COMPOSITE BLANKING
: H FREQUENCE
: EVEN, ODD
: FIELDI
: H DRIVE
: LINE CHANGE
: SUBCARRIER
: COMPOSITE SYNC
: V DRIVE

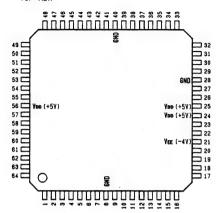
HCOM
O2fH
O2fH
OBF/COLB:
OBLK
OFH
OFLD
OFLD1
OHD
OLALT
OSC
OSYNC
OVD









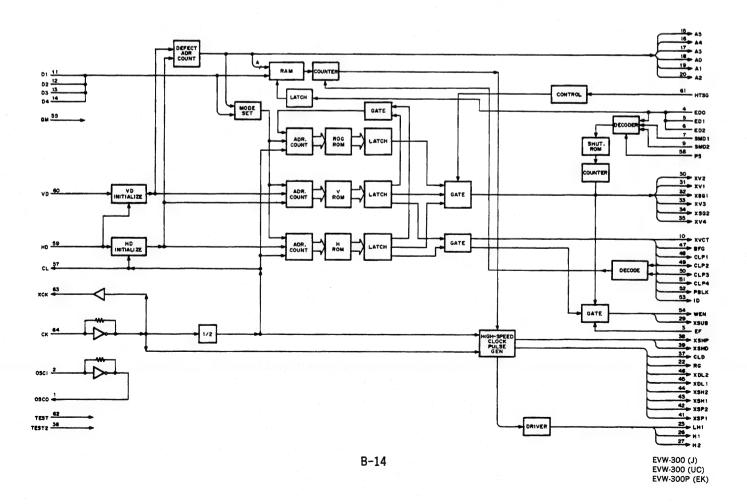


											(VEE -4
Pin No.	1/0	SYMBOL	Pin No.	I/0	SYMBOL	Pin No.	1/0	SYMBOL	Pin No.	1/0	SYMBOL
1	0	OSCO	17	0	A3	33	0	XV3		1/0	CLP2
2	I	OSCI	18	0	AO	34	0	XSG2	50	1/0	CLP3
3	I	EF	19	0	A1	35	0	XV4	51	0	CLP4
4	1	ED0	20	0	A2	36	I	TEST2	52	0	PBLK
5	I	ED1	21	-	VEE	37	0	CLD	53	0	ID
6	1	ED2	22	0	RG	38	0	XSHP	54	0	VEN
7	I	SMD1	23	-	LH1	39	0	XSHD	55	1	SM.
8	-	GND	24	-	Yoo	40	-	SND	56	-	Voo
9	I	SMD2	25	-	You	41	0	XSP1	57	0	CL
10	8	XVCT	26	0	H1	42	0	XSP2	58	1	PS
11	I	D1	27	0	H2	43	0	XSH1	59	1	HD
12	I	02	28	-	GND	44	0	XSH2	60	I	VD.
13	I	D3	29	0	XSUB	45	0	XDL1	61	I	HTSG
14	I	04	30	0	XV2	46	0	XDL2	82	I	TEST
15	0	A5	31	8	XV1	47	0	BF6	63	0	XCK
16	0	A4	32	0	XS61	48	0	CLP1	64	I	CK

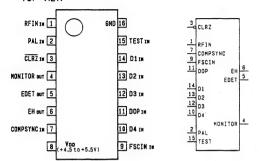
(Vpp =+5V)

		INPUT	
59 HD	XV4 35	CK	; 8fsc CLOCK
60 VD	XV3 33	D1 -	WHEN EXTERNAL ROM IS USED, DATA INPUT.
7,0			WHEN NOT USED, L; NO ERROR COMPENSATION
4 500	A . 21	D2	: WHEN EXTERNAL ROM IS USED, DATA INPUT
			WHEN NOT USED, L : COLOR H : B/W
5 ED1	XSG1 32	D3	: WHEN EXTERNAL ROM IS USED, DATA INPUT.
6 ED2	XSG2 34		WHEN NOT USED, FIXED TO LOW
7 SHD1		D4	: WHEN EXTERNAL ROM IS USED, DATA INPUT.
0 1	XSP1 41		WHEN NOT USED, L: NTSC H: PAL
E O SHUE	XSP1	ED0	: SHUTTER SPEED SET. WHEN SERIAL MODE, STROBE
PS	XSP2 42	ED1	INPUT.: SHUTTER SPEED SET. WHEN SERIAL MODE, CLOCK
	XSH1 143	EDI	INPUT.
61 HTSG	XSH2 44	ED2	: SHUTTER SPEED SET, WHEN SERIAL MODE, DATA
1	XDL 1 45	EU2	INPUT.
64	46	EF	DATA INPUT METHOD CHANGE FOR ERROR
~~P	XDL 2 46	Li .	COMPENSATION
. 1	XSHP 38		H : EXTERNAL ROM USED
1 osco			L : SERIAL INPUT FROM MICROPROCESSOR
2 osci	CLD 37	GM	L : FOR ANALOG SIGNAL, H : FOR DIGITAL SIGNAL
030.	PC 22	HD	HORIZONTAL DRIVE
14 D4	RG EE	HTSG	XSG1, XSG2 CONTROL
12 04	67		H: XSG1 AND 2 GENERATED
13 03	CL 57		L: XSG1 AND 2 STOPPED
12 02		OSCI	: INVERTER INPUT FOR OSCILLATION
11 D1	H1 26	PS	: ELECTRONIC SHUTTER SPEED INPUT METHOD
701	127		CHANGE
15	122		H; PARALLEL INPUT
	LH1 23		L : SERIAL INPUT
16 A4		SMD1, SMD2	; SHUTTER MODE SET
17 A3	XSUB 29	TEST, TEST2	; FOR TEST (NORMALLY Low)
20 A2	WEN 54	VD	; VERTICAL DRIVE
10	*6*		
10 01	10	OUTPUT	
-10 AO	XVCT 10	A5-A0	: ADDRESS FOR EXTERNAL ROM
	BFG 47	BFG	: PULSE FOR ENCODER - CHROMA MODULATOR
3 EF	CLP1 48		WHEN GM = H. ERROR POSITION SPECIFING PULSE
55 GM	CLP2 49	CL	: 4fsc CLOCK
63	CL 02 50	CLD	: 4fsc CLOCK
36	CLP3 51	CLP1, CLP4	: PULSE FOR CLAMP
TEST2	CLP4 51	H1, H2	CLOCK FOR CCD HORIZONTAL REGISTER DRIVE
	PBLK 52	ID	: LINE IDENTIFICATION
	ID 53	osco	: INVERTER OUTPUT FOR OSCILLATION
	XCK 63	PBLK	: BLANKING CLEANING PULSE
	XUX	RG	RESET GATE PULSE
		WEN	: WRITE ENABLE (ONLY WHEN LOW SHUTTER SPEED) : 8fsc CLOCK
		VOL 1 VOL 2	CLOCK FOR DELAY LINE
		XSG1 XSG2	CCD SENSOR ELECTRIC CHARGE READ OUT PULSE
			SWITCHING SAMPLE HOLD PULSE
		XSHD	: PULSE FOR DATA SAMPLE HOLD
		XSHP	: PRE-CHARGE LEVEL SAMPLE HOLD PULSE
			: CHROMA SEPARATION SAMPLE HOLD PULSE
		XSUB	: ELECTRIC CHARGE DISCHARGING PULSE
		XV1-XV4	: VERTICAL SCANNING CLOCK
		XVCT	: POWER CONTROL FOR EXTERNAL ROM
			,

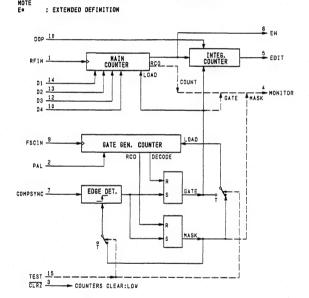
INPUT/OUTPUT
CLP2, CLP3 : PULSE FOR CLAMP. WHEN GM = H, STANDBY MODE SWITCHING INPUT

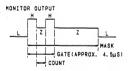


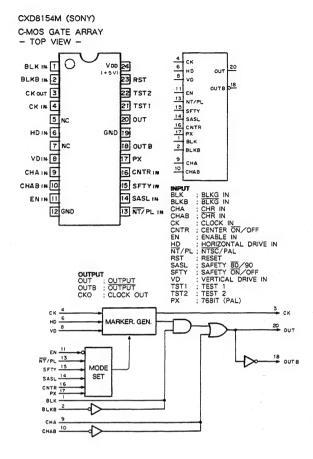
#### CXD2107M (SONY) FLAT PACKAGE C-MOS DEFINITION DETECTOR - TOP VIEW -



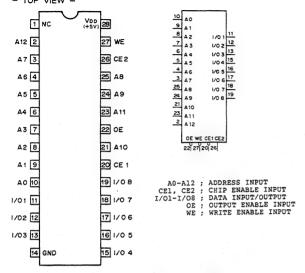
INPUT
CLRZ : CLEAR SIGNAL INPUT FOR INTERNAL COUNTERS
COMPOSITE SYNC INPUT
DI-D4 : LOAD DATA IMPUTS FOR MAIN COUNTER (DO-HIGH, FIXED DATA)
DOP : DROPOUT CONDENSATION PULSE IMPUT
FSCIN : COLOR SUBCARRIER INPUT, NISC-3, 579545MHz, PAL-4, 433619MHz
PAL : OPERATION MODE SELECT IMPUT, HIGH-PAL, LOW-NISC
RFIN : PLAYBACK YR FSISMAL IMPUT
TEST : TEST CONTROL IMPUT, NORMAL-LOW
OUTPUT
EDET : E\* MODE DETECTION OUTPUT, CONTINUOUS 16H
EH : E\* MODE DETECTION OUTPUT, SISTINGUISM IN 1H
MONITOR INPUT OF COUNT, SATE, AMD MASK PULSES



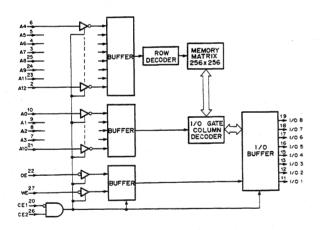




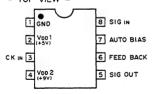
#### CXK5864BM-12L (SONY) FLAT PACKAGE C-MOS 64K (8192x8)-BIT STATIC RAM - TOP VIEW -

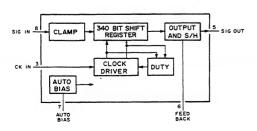


CEI	CE2	OE	WE	MODE	I/O TERMINAL	
1	X	Х	X	NOT SELECT	HIGH IMPEDANCE	
X	0	Х	X	NOT SELECT	HIGH IMPEDANCE	
0	1	1	1	OUTPUT DISABLE	HIGH IMPEDANCE	0; LOW LEVEL
0	1	0	1	READ	OUTPUT DATA	1; HIGH LEVEL
0	1	Х	0	WRITE	INPUT DATA	X; DON'T CARE



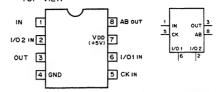
#### CXL5502M (SONY) FLAT PACKAGE C-MOS CCD1H DELAY LINE (NTSC) - TOP VIEW



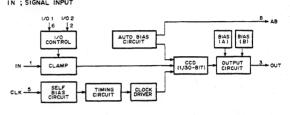


# CXL5504M (SONY)

C-MOS CCD 1H DELAY LINE - TOP VIEW -



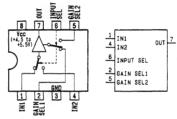
AB ; AUTO BIAS DC OUTPUT CK ; CLOCK INPUT IN ; SIGNAL INPUT I/O1, I/O2; I/O CONTROL 1,2 INPUTS OUT; SIGNAL OUTPUT



#### HA118070FP (HITACHI) FLAT PACKAGE

SWITCH WITH AMPLIFIER

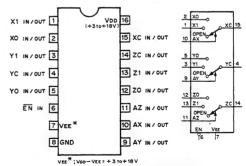
- TOP VIEW -



NPUT S	EL	GAIN SE	GAIN SEL1.2			
INPUT	DUTPUT	INPUT	OUTPUT			
0	IN1	GND	0dB			
1	IN2	OPEN	10dB			
:LOW	I EVEL	Vcc	6dB			

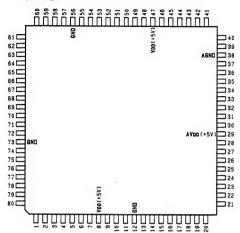
#### HD14053BFP (HITACHI) FLAT PACKAGE

C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXERS/DEMULTIPLEXERS - TOP VIEW -

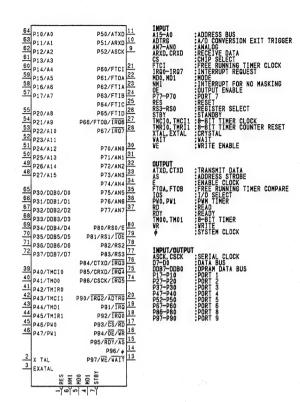


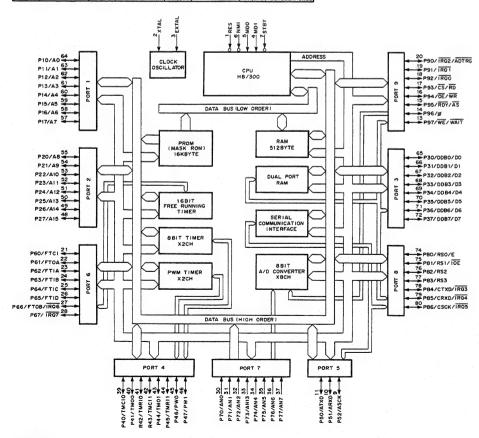
	CON	T. INPUTS	ON
	EN	A (X,Y,Z,)	CHANNEL
: LOW LEVEL	0	0	0
HIGH LEVEL	0	1	1
C: DON'T CARE.	1	X	OPEN

HD6413308F6 (HITACHI) FLAT PACKAGE C-MOS 8-BIT SINGLE CHIP MICROCOMPUTER - TOP VIEW -



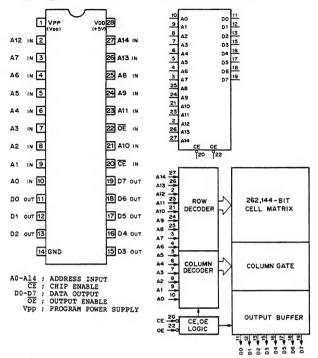
Pin No.	I/0	SIGNAL	Pin No.	I/0	SIGNAL	Pin No.	I/0	SIGNAL	Pin No.	1/0	SIGNAL
1	I	RES	21	1/0	P60/FTCI	41	1/0	P42/TMRIO	61	1/0	P13/A3
2	I	XTAL	22	1/0	P61/FTOA	42	I/0	P43/THCI1	62	1/0	P12/A2
3	I	EXTAL	23	1/0	P62/FTIA	43	1/0	P44/TM01	63	1/0	P11/A1
4	I	MD1	24	1/0	P63/FTIB	44	1/0	P45/THRI1	64	1/0	P10/A0
5	I	MD0	25	1/0	P94/FTIC	45	1/0	P46/PW0	65	1/0	P30/DDB0/D0
6	I	NHI	26	1/0	P65/FTID	46	I/0	P47/PW1	66	1/0	P31/DDB1/D1
7	I	STBY	27	1/0	P66/FT0B/IR06	47	-	VDD	67	1/0	P32/D0B2/D2
8	-	VDD	28	1/0	P67/IRQ7	48	I/0	P27/A45	68	1/0	P33/DDB3/D3
9	1/0	P52/ASCK	29	-	AVDD	49	1/0	P26/A14	69	1/0	P34/DD84/D4
10	1/0	P51/ARXD	30	I	P70/AN0	50	1/0	P25/A13	70	1/0	P35/DDB5/D5
11	1/0	P52/ATXD	31	I	P71/AN1	51	I/0	P24/A12	71	1/0	P36/DD86/D6
12	-	GND	32	I	P72/AN2	52	I/0	P23/A11	72	1/0	P37/DDB7/D7
13	1/0	P97/WE/WAIT	33	1	P73/AN3	53	I/0	P22/A10	73	-	GND
14	1/0	P96/ ♦	34	I	P74/AN4	54	I/0	P21/A9	74	1/0	P80/RS0/E
15	I/0	P95/RDY/AS	35	I	P75/AN5	55	1/0	P20/A8	75	1/0	P81/RS1/TOE
16	1/0	P94/OE/WR	36	I	P76/AN6	56	-	GND	76	1/0	P82/RS2
17	1/0	P93/CS/RD	37	I	P77/AN7	57	I/0	P17/A7	77	1/0	P83/RS3
18	I/0	P92/IRQ0	38	-	AGND	58	I/0	P16/A6	78	1/0	P84/CTXD/IRQ3
	1/0	P91/IRQ1	39	1/0	P40/THCI0	59	1/0	P15/A5	79	1/0	P85/CRXD/IRQ4
20	1/0	P90/ADTRG/IRQ2	40	1/0	P41/TM00	60	1/0	P14/A4	80	1/0	P86/CSCK/IRQ5





EVW-300 (J) EVW-300 (UC) EVW-300P (EK) HN27C256AFP-15T (HITACHI) FLAT PACKAGE

C-MOS 256K (32Kx8)-BIT ONE TIME PROM WITH 3-STATE OUTPUTS - TOP VIEW -

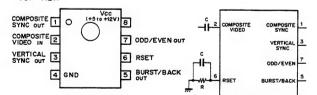


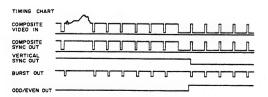
An	0	0	+5V	+5V	Dout	READ	
An	0	1	+50	+5V	HI-Z	OUTPUT DISABLE	
X	1	X	+5V	+5V	HI-Z	STANDBY	
An	0	1		+12.5V		PGM	
An	1	0		+12.5V		PGM VERIFY(1)	O:LOW LEVEL
Αn	0	0		+12.5V		PGM VERIFY(2)	1:HIGH LEVEL
X	1	1	+6V	+12.5V		PGM INH	X:DON'T CARE
AO	0	0	+5V	+5 V	DEVICE CODE	ELECTRONIC SIGNATURE*	HI-Z:HIGH IMPEDANCE
						FOLLOWING DESCRIPTION	ī.
					P ROM WRIT	ER	
					MODE		
A1	-A8	A9	A10-	-A13	A14,Vpp		
	0	12V		)	1		

	CODE DATA											
	AO	D7	D6	05	D4	03	D2	D1	DO	7		
MAKER CODE	0	0	0	0	0	0	1	0	0	04H		
DEVICE CODE	1	0	1	1	0	0	0	1	0	62H		

LM1881M (NS) FLAT PACKAGE

VIDEO SYNC SEPARATOR - TOP VIEW -





LM2903M (RAYTHEON) FLAT PACKAGE LM393PS (TI) FLAT PACKAGE

DUAL VOLTAGE COMPARATORS - TOP VIEW -



LM358PS (TI) FLAT PACKAGE

DUAL OPERATIONAL AMPLIFIERS

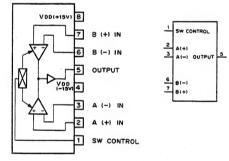
- TOP VIEW -

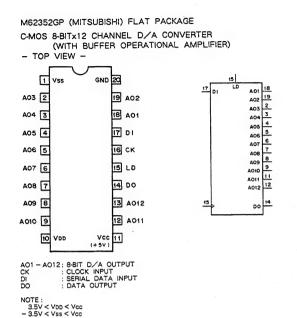


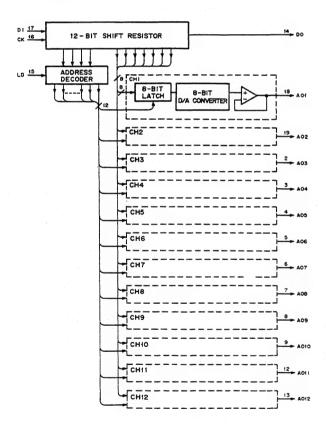
M5201FP (MITSUBISHI) FLAT PACKAGE

DUAL OPERATIONAL AMPLIFIERS WITH SWITCHED OUTPUT

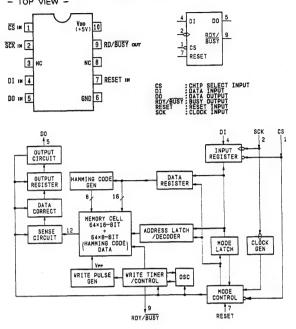
- TOP VIEW -





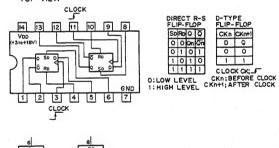


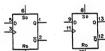
M6M80011AFP (MITSUBISHI) FLAT PACKAGE C-MOS 1k (64×16) BIT ERASABLE PROM - TOP VIEW -



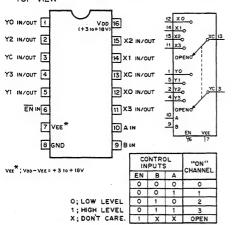
MC14013BF (MOTOROLA) FLAT PACKAGE

C-MOS DUAL D-TYPE FLIP-FLOPS WITH DIRECT SET/RESET - TOP VIEW -

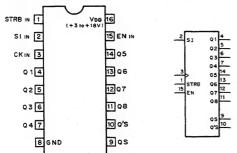




# MC14052BF (MOTOROLA) FLAT PACKAGE C-MOS DUAL 4-CHANNEL ANALOG MULTIPLEXERS/DEMULTIPLEXERS - TOP VIEW -



# MC14094BF (MOTOROLA) FLAT PACKAGE C-MOS 8-STAGE SHIFT-AND-STORE BUS REGISTER - TOP VIEW -



SI SERIAL DATA INPUT
CK CLOCK INPUT
STRB STROBE INPUT
EN OUTPUT ENABLE INPUT
C1 - Q8 PARALLEL DATA OUTPUTS
QS CS SERIAL DATA OUTPUTS

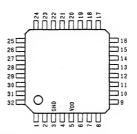
	- 10	PUTS		PARALI	EL OUT			
CK	EN	STRB	SI	01	Qn	QS Q'S		
	0	×	×	HI-Z	HI-Z	Q7	NC	
7_	0	×	×	HI-Z	HI-Z	NC	07	
	1	0	×	NC	NC	Q7	NC	
	1	1	0	0	Qn-1	Q7	NC	
5	1	1	1	1	Qn-1	07	NC	
J	1	1	1	NC	NC	NC	Q7	

1; HIGH

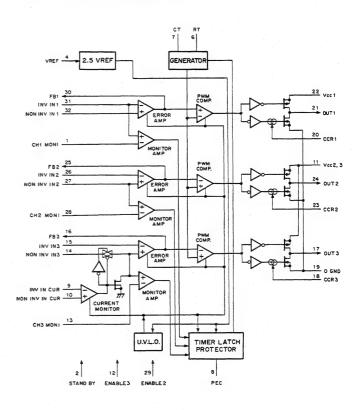
HI-Z; HIGH IMPEDANCE

O; LOW NO X; DON'T CARE

#### MC141600FU (MOTOROLA) C-MOS 3-CHANNEL PWM CONTROLLER - TOP VIEW -



Pin No.	I/0	SIGNAL	Pin No.	1/0	SIGNAL
1	I	CH1 MONI	17	0	OUT 3
2	I	STAND BY	18	I	CCR 3
3	-	GND	19	I	0 GND
4	1	2.5 VREF	20	I	CCR 1
5	-	VDD	21	0	OUT 1
6	I	RT	22	I	VCC1
7	I	CT	23	I	CCR 2
8	I	PEC	24	0	OUT2
9	I	INV IN CUR	25	0	FB 2
10	I	NON INV IN CUR	26	I	INV IN2
11	I	VCC2, 3	27	I	NON INV IN2
12	I	ENABLE 3	28	I	CH2 MONI
13	1	CH3 MONI	29	I	ENABLE 2
14	I	NON INV IN3	30	0	FB 1
15	I	INV IN3	31	I	INV IN1
16	0	FB 3	32	I	NON INV IN1

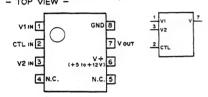


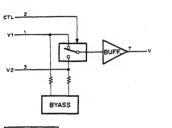
### MC14577BF (MOTOROLA) FLAT PACKAGE C-MOS DUAL VIDEO AMPLIFIERS - TOP VIEW -



XVDD + I VSS I = + 5V to +12V

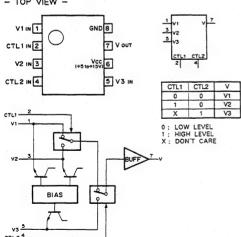
### NJM2233BM (JRC) FLAT PACKAGE 2-INPUT VIDEO SIGNAL SWITCH - TOP VIEW -



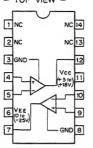


CTL	V			
0	V1	0 .	LOW	LEVEL
1	V2	] ĭ:		LEVEL

#### NJM2235M (JRC) FLAT PACKAGE 3-INPUT VIDEO SIGNAL SWITCH - TOP VIEW -



#### NJM319M (JRC) FLAT PACKAGE DUAL VOLTAGE COMPARATOR - TOP VIEW -

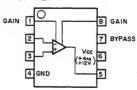


## NJM360M (JRC) FLAT PACKAGE HIGH SPEED VOLTAGE COMPARATOR (TTL OUTPUT) - TOP VIEW -



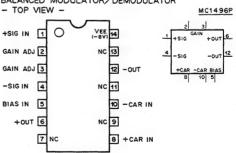
#### NJM386M (JRC) FLAT PACKAGE

AUDIO POWER AMPLIFIER - TOP VIEW -



#### RC1496M (RAYTHEON) FLAT PACKAGE

BALANCED MODULATOR/DEMODULATOR



RC4558M (RAYTHEON) FLAT PACKAGE RC4560M (RAYTHEON) FLAT PACKAGE

DUAL OPERATIONAL AMPLIFIER - TOP VIEW -

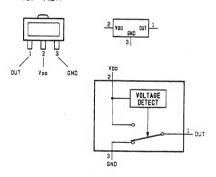


RH5RA50A (RICOH) +5.0V FLAT PACKAGE S-81230AG-RB (SEIKO | AND E) +3.0V FLAT PACKAGE S-81250HG-RD (SEIKO | AND E) +5.0V FLAT PACKAGE THREE TERMINAL POSITIVE VOLTAGE REGULATOR - TOP VIEW -

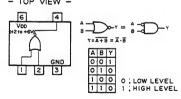




S-8054ALR-LN (SEIKO I AND E) 4.30-4.60V C-MOS VOLTAGE DETECTOR - TOP VIEW -

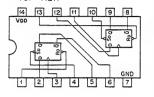


SC7S02F (MOTOROLA) FLAT PACKAGE C-MOS 2-INPUT NOR GATE - TOP VIEW -



#### SN74HC74ANS (TI) FLAT PACKAGE

C-MOS DUAL D-TYPE FLIP-FLOPS WITH DIRECT SET/RESET - TOP VIEW -

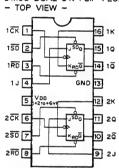


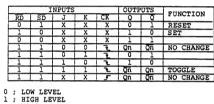
IN	PL			OUTF							
Šō	B	CK	D	Qn+1	Qn+1						
0	1	X	X	1	0						
1	0	Х	X	0	1						
0	0	X	X	1	1						
1	1	1	1	1	0						
1	1	ŀ	0	0	1						
1	1	0	X	Qn	Qn						
0:	LO	w	LE	VEL							
1;	O;LOW LEVEL 1;HIGH LEVEL										
X;1	00	N'T		ARE							

NOTE :	
TYPE	VDD
TC74HCT74AF	+5V
TC74AC74 TYPE	+2 to +5.5V
74ACT74 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

#### SN74HC76NS (TI) FLAT PACKAGE

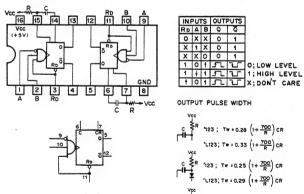
C-MOS DUAL J-K FLIP FLOP WITH DIRECT SET/RESET





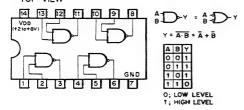
#### SN74LS123NS (TI) FLAT PACKAGE

TTL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR WITH DIRECT RESET — TOP VIEW -

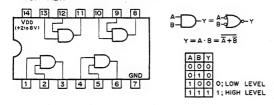




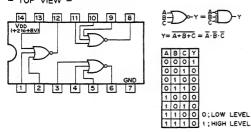
TC40H000F (TOSHIBA) FLAT PACKAGE C-MOS 2-INPUT NAND GATE - TOP VIEW -



TC40H008F (TOSHIBA) FLAT PACKAGE C-MOS 2-INPUT POSITIVE-AND GATE — TOP VIEW —

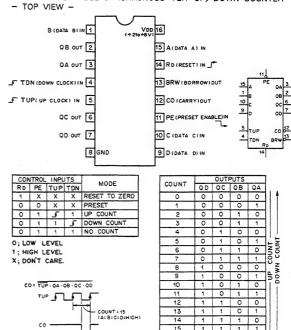


TC40H027F (TOSHIBA) FLAT PACKAGE C-MOS 3-INPUT POSITIVE-NOR GATE - TOP VIEW -



TC40H193F (TOSHIBA) FLAT PACKAGE

C-MOS PRESETTABLE SYNCHRONOUS 4-BIT UP/DOWN COUNTER - TOP VIEW -

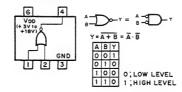


TC4S01F (TOSHIBA) FLAT PACKAGE C-MOS 2-INPUT NOR GATE - TOP VIEW -

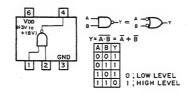
COUNT=0 (A=B=C=D=LOW)

BRW= TDN -QA - QB - QC - QD

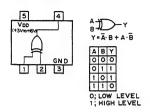
TON



TC4S11F (TOSHIBA) FLAT PACKAGE C-MOS 2-INPUT NAND GATE - TOP VIEW -



TC4S30F (TOSHIBA) FLAT PACKAGE C-MOS EXCLUSIVE OR GATE - TOP VIEW -



TC4S66F (TOSHIBA)

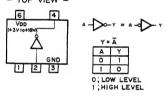
C-MOS BILATERAL ANALOG SWITCH





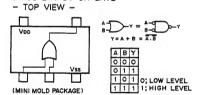
TC4S69F (TOSHIBA) FLAT PACKAGE TC4SU69F (TOSHIBA) FLAT PACKAGE

C-MOS INVERTER BUFFER - TOP VIEW -

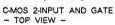


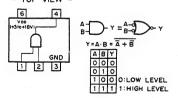
TC4S71F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT OR GATE



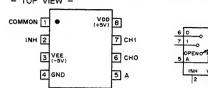
TC4S81F (TOSHIBA) FLAT PACKAGE





TC4W53F (TOSHIBA) FLAT PACKAGE

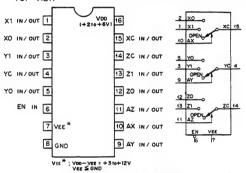
C-MOS 2-CHANNEL MULTIPLEXER/DEMULTIPLEXER - TOP VIEW -



	CONT.	ON	
	INH	Α	CHANNEL
0. 1044 1075	0	0	0
0 : LOW LEVEL 1 : HIGH LEVEL	0	. 1	1
X: DON'T CARE	1	X	OPEN

TC74HC4053AF (TOSHIBA) FLAT PACKAGE

C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER - TOP VIEW -

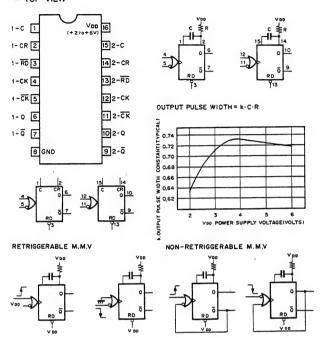


	CON	T. INPUTS	ON		
	EN	A (X,Y,Z,)	CHANNEL		
O; LOW LEVEL	0	0	0		
1; HIGH LEVEL	0	1 .	-1		
X ; DON'T CARE.	1	×	OPEN		

#### TC74HC4538AF (TOSHIBA) FLAT PACKAGE

C - MOS DUAL RETRIGGERABLE / NON - RETRIGGERABLE MONOSTABLE MULTIVIBRATOR

- TOP VIEW -

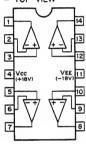


TL062CPS (TI) FLAT PACKAGE OPERATIONAL AMPLIFIER (JFET INPUT) - TOP VIEW -



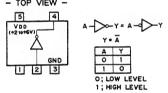
TL064CNS (TI) FLAT PACKAGE OPERATIONAL AMPLIFIER

(J FET-INPUT)
- TOP VIEW



#### TC7S04F (TOSHIBA) FLAT PACKAGE

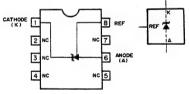
C-MOS INVERTER - TOP VIEW -



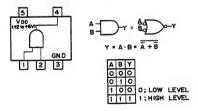
TL431CPS (TI) FLAT PACKAGE

ADJUSTABLE PRECISION SHUNT REGULATOR

- TOP VIEW

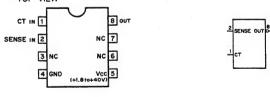


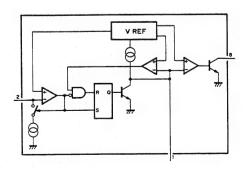
TC7S08F (TOSHIBA) FLAT PACKAGE C-MOS 2-INPUT AND GATE - TOP VIEW -



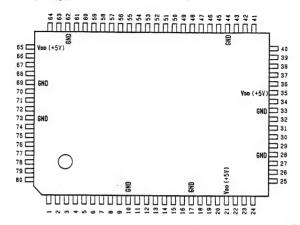
TL7700CPS (TI) FLAT PACKAGE VARIABLE SUPPLY VOLTAGE SUPERVISOR

- TOP VIEW -





UPC2372GF-3B9 (NEC) FLAT PACKAGE 3-CH PROCESS AMP & AGC - TOP VIEW -



											(VDD = + 5V)
PIN No.	1/0	SYMBOL	PIN No.	1/0	SYMBOL	PIN No.	1/0	SYMBOL	PIN No.	1/0	SYMBOL
1	1	VCA-YH	21	-	VDD	41	1	WB-G	61	1	AGC-G
2	1	YL-IN	22	0	(R-Y)-OUT	42	1	CP-IN-1	62	-	GND
3	1	BASE-CLIP	23	- 1	MTX-IN-YR	43	0	PROC-OUT-R	63	0	AGC-OUT-G
4	1	FB-VCA-EDGE		1	MTX-IN-R	44	-	GND	64	1	PROC-IN-G
5	1	AGC-MAX	25	0	PROC-OUT-B	45	1	WCLIP	65	1	FB-AGC-B
6	1	VCA-EDGE	26		FB-KNEE-B	46	1	KNEE	66	-	VDD
7	1	DL-IN1	27	-	FB-Y-B	47	1	FB-KNEE-R	67	1	AGC-IN-B
8	- 1	DL-IN2	28	-	GND	48	1	Y	68	1.	AGC-B
9	0	DL-OUT	29	1	PED-B	49	1	FB-Y-R	69	-	GND
10		GND	30	1	Pre-KNEE-B	50	- 1	PED-R	70	0	AGC-OUT-B
11	1 -	YEDGE IN	31	- 1	FB-WB-B	51	1	Pre-KNEE-R	71	1	PROC-IN-B
12	0	YEDGE OUT	32	1	WB-B	52	1	FB-WB-R	72	0	AGC-DET-OUT
13	- 1	MTX-IN-YEDGE	33	-	GND	53	1	WB-R	73	-	GND
14	0	YL-OUT	34	0	PROC-OUT-G	54	1	PROC-IN-R	74	1	AGC STAT
15	1	MIX-IN-YL	35	-	VDD	55	0	AGC-OUT-R	75	1	AGC-DET-IN
16	0	BIAS	36	1	FB-KNEE-G	56	- 1	FB-AGC-R	76	1	CP-IN-2
17	-	GND	37	1	FB-Y-G	57	1	AGC-R	77	0	YENC-OUT
18	0	(B-Y)-OUT	38		PED-G	58	1	AGC-IN-R	78	1	YENC-IN
19	1	MTX-IN-YB	39	-	Pre-KNEE-G	59	1	FB-AGC-G	79	0	YH-OUT
20	- 1	MTX-IN-B	40		FB-WB-G	60	1	AGC-IN-G	80	0	VREF

```
HPUT
AGC STAT AGC THRESHOLD CONTROL
AGC BETAN
AGC DETECT
AGC GAG AGC GAIN CONTROL FOR BCH
AGC DETECT
AGC GAG AGC GAIN CONTROL FOR GCH
AGC GAGC AGC GAIN CONTROL
AGC GAGC AGC GAIN CONTROL
AGC GAGC AGC GAIN CONTROL
AGC GAGC AGC GAIN CONTROL
AGC GAIN CONTROL
BASE CLIP QUANTITY CONTROL FOR HORIZONTAL
EDGE COMPENSATION SIGNAL
CPIN-1
CLAMP PULSE FOR AGC CIRCUIT
DL-IN1
NON-INVERT INPUT FOR HORIZONTAL EDGE
COMPENSATION DIFFERENTIAL AMPLIFIER

DL-IN2
INVERT INPUT FOR HORIZONTAL EDGE
COMPENSATION DIFFERENTIAL AMPLIFIER

B-AGC-B
COMPENSATION DIFFERENTIAL AMPLIFIER

COMPENSATION DIFFERENTIAL AMPLIFIER

B-AGC-B
COMPENSATION

COMPENSATION

TO THE COMPENSATI
```

OUTPUT

AGC-DET-OUT

AGC-DET-OUT

AGC-OUT-B

S-CH AGC

AGC-OUT-G

AGC-OUT-G

I-G-CH AGC

BIAS

I-G-CH AGC

BIAS

I-G-CH AGC

BIAS

I-G-CH PROCESS

PROC-OUT-G

PROCOUT-G

PROCOUT-G

I-G-CH PROCESS

PROCOUT-G

R-CH PROCESS

PROCOUT-G

R-CH PROCESS

PROCOUT-G

R-CH PROCESS

PROCOUT-G

I-G-CH PROCESS

PROCOUT-G

R-CH PROCESS

PROCOUT-G

I-G-CH PROCESS

PROCOUT-G

R-CH PROCESS

PROCOUT-G

I-G-CH PROCESS

PROCOUT-G

I-G-CH PROCESS

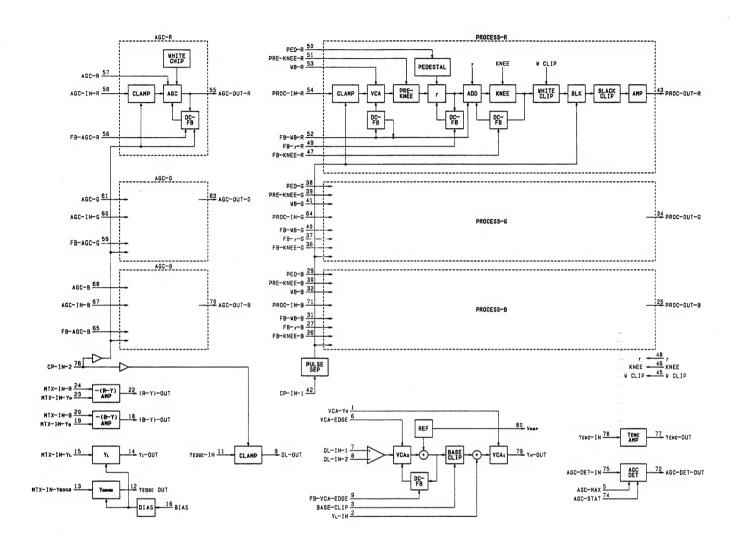
PROCOUT-G

I-G-CH PROCESS

PROCOUT-G

I-G-CH PROCESS

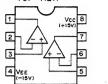
I-G-CH PRO



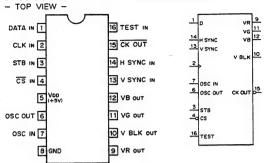
UPC4572G2 (NEC) FLAT PACKAGE

OPERATIONAL AMPLIFIER (WIDE BAND, LOW NOISE)

- TOP VIEW -



UPD6142G-101 (NEC) FLAT PACKAGE C-MOS 8-BIT SERIALL INPUT CHARACTER DISPLAY



D; DATA INPUT

CK OUT: EQUAL TO OUTPUT OF OSC OUT

CLK; CLOCK INPUT

CS; CHIP SELECT INPUT

H SYNC; H SYNC INPUT

OSC IN, OUT; EXTERNAL TERMINAL FOR OSC

STB; STROBE INPUT

TEST; TEST CLOCK INPUT

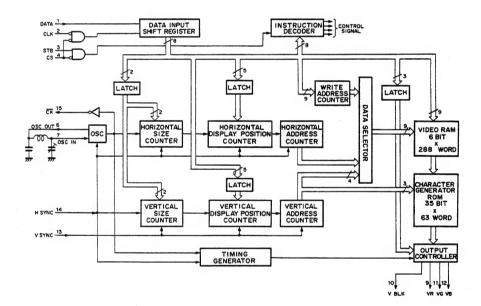
VB; BLUE CHARACTER DATA OUTPUT

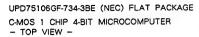
VG; GREEN CHARACTER DATA OUTPUT

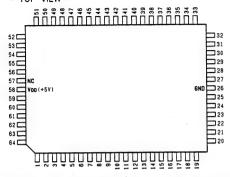
VG; GREEN CHARACTER DATA OUTPUT

VR; RED CHARACTER DATA OUTPUT

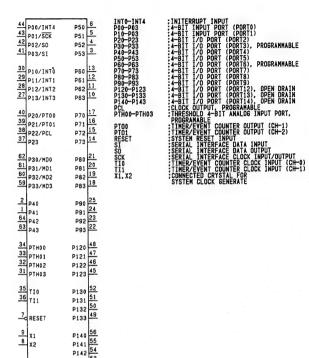
V SYNC; V SYNC INPUT

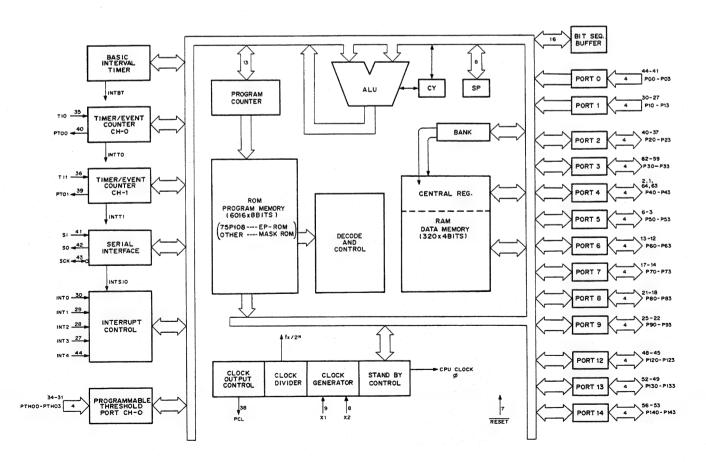




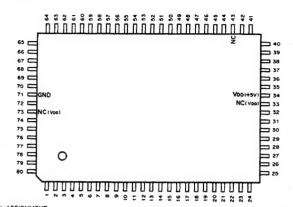


Pin No.	1/0	SIGNAL	Pin No.	1/0	SIGNAL	Pin No.	1/0	SIGNAL	No. I/O	SIGNAL
1	1/0	P41	17	1/0	P70	33	I	PTH01	49 I/O	P133
2	1/0	P40	18	1/0	P83	34	I	PTH00	50 I/O	P132
3	1/0	P53	19	1/0	P82	35	I	T10	51 I/0	P131
4	1/0	P52	20	1/0	P81	36	I	Tii	52 1/0	P130
5	1/0	P51	21	1/0	P80	37	1/0	P23	53 1/0	P143
6	1/0	P50	22	1/0	P93	38	1/0	P22/PCL	54 1/0	P142
7	I	RESET	23	1/0	P92	39	1/0	P21/PT01	55 1/0	P141
8	I	X2	24	1/0	P91	40	1/0	P20/PT00	56 1/0	P140
9	I	X1	25	1/0	P90	41	I	P03/SI	57 -	NC
10	1/0	P63	26	-	GND	42	1/0	P02/S0	58 -	VDD
11	1/0	P62	27	I	P13/INT3	43	1/0	P01/SCK	59 1/0	P33/MD3
12	1/0	P61	28	I	P12/INT2	44	I	POO/INT4	60 I/O	P32/MD2
13	1/0	P60	29	I	P11/INT1	45	1/0	P123	61 1/0	P31/MD1
14	1/0	P73	30	I	P10/INTO	46	1/0	P122	62 1/0	P30/HD0
15	1/0	P72	31	I	PTH03	47	1/0	P121	63 I/0	P43
16	1/0	P71	32	I	PTH02	48	1/0	P120	64 1/0	P42

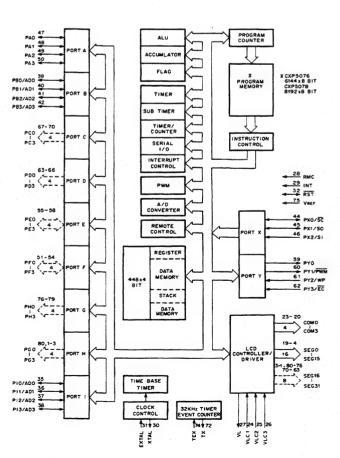




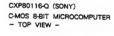
CXP5078H (SONY) FLAT PACKAGE C-MOS 4-BIT MICROCOMPUTER - TOP VIEW -

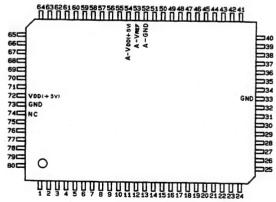


	SSIGI	MENT									(Vpb - + 5)
PIN NO.	1/0	SYMBOL	PIN NO.	1/0	SYMBOL	PIN NO.	1/0	SYMBOL	PIN NO.	1/0	SYMBOL
1	0	PG1/SEG18	21	0	COM2	41	1/0	PB2/AD6	61	1	PY2/WP
2	0	PG2/SEG17	22	0	COM1	42	1/0	PB3/AD7	62	1	PY3/EC
3	0	PG3/SEG16	23	0	COMO	43	-	-	63	1/0	PD0/SEG31
4	0	SEG15	24	1	VLC1	44	1/0	PX0/SC	64	1/0	PD1/SEG30
5	0	SEG14	25	- 1	VLC2	45	1/0	PX1/SO	65	1/0	PD2/SEG29
6	0	SEG13	26	1	Vica	46	1.	PX2/SI	66	1/0	PD3/SEG28
7	0	SEG12	27	0	VL	47	1/0	PA0	67	1/0	PC0/SEG27
8	0	SEG11	28	1	RMC	48	1/0	PA1	68	1/0	PC1/SEG26
9	0	SEG10	29	-	INT	49	1/0	PA2	69	1/0	PC2/SEG25
10	0	SEG9	30	0	XTAL	50	1/0	PA3	70	1/0	PC3/SEG24
11	0	SEG8	31	1	EXTAL	51	1/0	PFO	71	_	GND
12	0	SEG7	32	2	RST	52	1/0	PF1	72	0	TX
13	0	SEG6	33	-	_	53	1/0	PF2	73		_
14	0	SEG5	34	-	Voc	54	1/0	PF3	74	T	TEX
15	0	SEG4	35	1/0	PI0/AD0	55	1/0	PE0	75	1	Vace
16	0	SEG3	36	1/0	PI1/AD1	56	1/0	PE1	76	0	PH0/SEG23
17	0	SEG2	37	1/0	PI2/AD2	57	1/0	PE2	77	0	PH1/SEG22
18	0	SEG1	38	1/0	PI3/AD3	58	1/0	PE3	78	0	PH2/SEG21
19	0	SEG0	39	1/0	PB0/AD4	59	0	PY0	79	ō	PH3/SEG20
20	0	COM3	40	1/0	PB1/AD5	60	0	PY1/PWM	80	0	PG0/SEG19

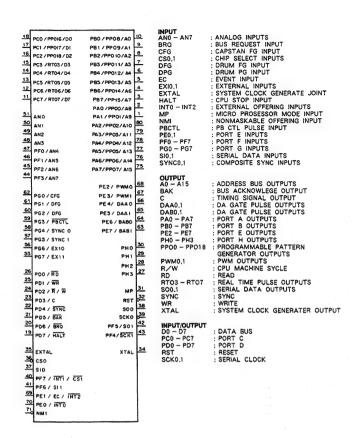


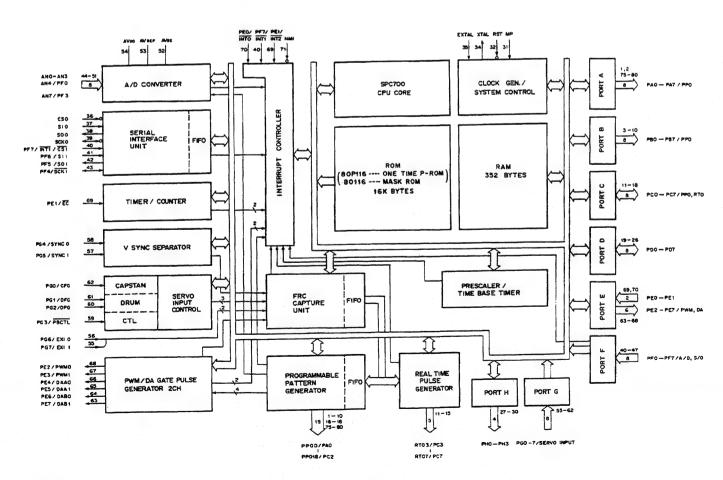


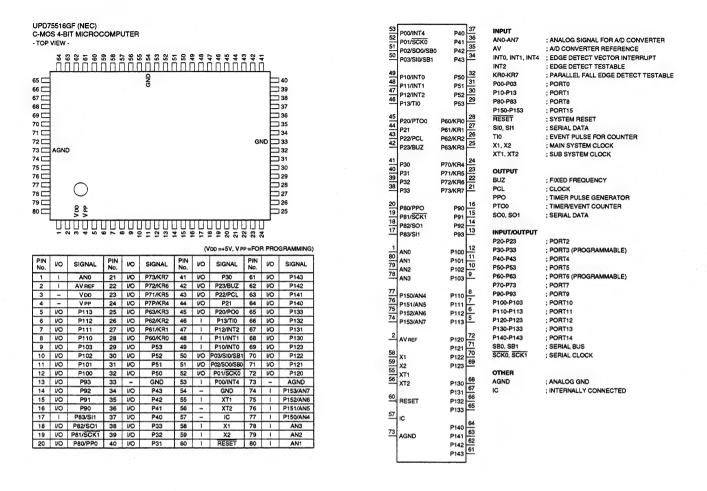


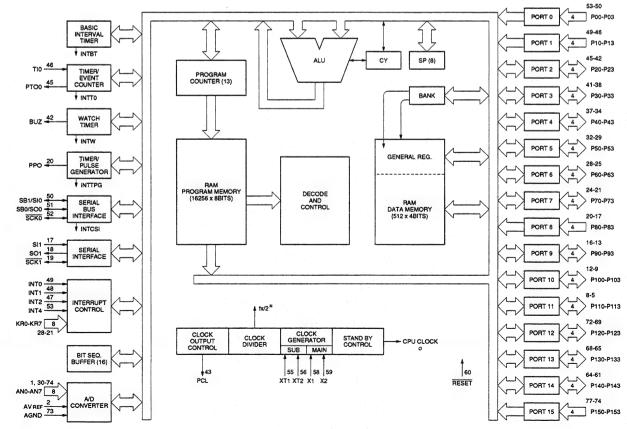


					CXP80116-Q
					$(V_{DD} = + 5V)$
PIN NO.	1/0	SYMBOL	PIN NO.	vo	SYMBOL
1	0	PA1/PPO1/A9	41	. 1	PF6/SI1
2	0	PA0/PPO0/A8	42	10	PF5/SO1
3	0	PB7/PPO15/A7	43	1,1/0	PF4/SCK1
4	0	PB6/PPO14/A6	44		PF3/AN7
5	0	PB5/PPO13/A5	45	1	PF2/AN6
6	0	PB4/PPO12/A4	46	1	PF1/AN5
7	0	PB3/PPO11/A3	47	- 1	PF0/AN4
8	0	PB2/PPO10/A2	48	ı	AN3
9	0	PB1/PPO9/A1	49	1	AN2
10	0	PB0/PPO8/A0	50	1	AN1
11	1/0,0,1/0	PC7/RT07/D7	51	t	ANO
12	1/0,0,1/0	PC6/RTO6/D6	52	-	A-GND
13	1/0,0,1/0	PC5/RTO5/D5	53		A-VREF
14	1/0,0,1/0	PC4/RTO4/D4	54	_	A-Voo
15	1/0,0,1/0	PC3/RTO3/D3	55	1	PG7/EXI1
16	1/0,0,1/0	PC2/PPO18/D2	56	1	PG6/EXIO
17	1/0,0,1/0	PC1/PPO17/D1	57	1	PG5/SYNC1
18	1/0,0,1/0	PC0/PPO16/D0	58	1	PG4/SYNC0
19	1/0,0	PD7/HALT	59	. 1	PG3/PBCTL
20	1/0,0	PD6/BRQ	60	1	PG2/DPG
21	1/0,0	PD5/BAK	61	1	PG1/DFG
22	1/0,0	PD4/SYNC	62	1 .	PG0/CFG
23	0.00	PD3/C	63	0	PE7/DAB1
24	1/0,0	PD2/R/W	64	0	PE6/DAB0
25	1/0,0	PD1/WR	65	0	PE5/DAA1
26	1/0,0	PD0/RD	66	0	PE4/DAA0
27	0	PH3	67	0	PE3/PWM1
28	. 0	PH2	68	0	PE2/PWM0
29	0	PH1	69	1	PE1/EC/INT2
30	0	PHO	70	1	PEO/INTO
31	ì	MP	71	1	NMI
32	1/0	RST	72	-	Voo
33	_	GND	73	-	GND
34	0	XTAL	74	-	NC
35	1	EXTAL	75	0	PA7/PPO7/A15
36	1	CS0	76	0	PA6/PPO6/A14
37	1	SIO	77	0	PA5/PPO5/A13
38	0	SOO	78	0	PA4/PPO4/A12
39	1/0	SCK0	79	0	PA3/PPO3/A11
40	1 1	PF7/INT1/CS1	80	0	PA2/PPO2/A10



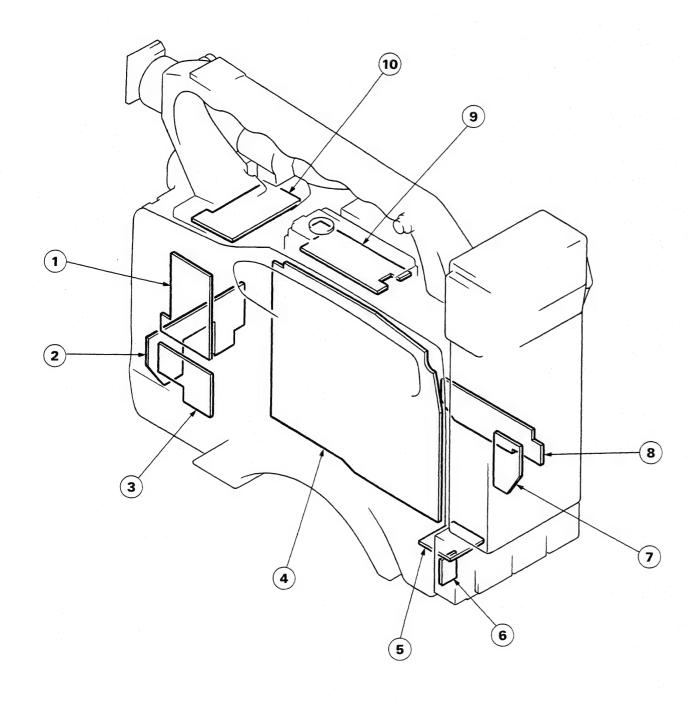




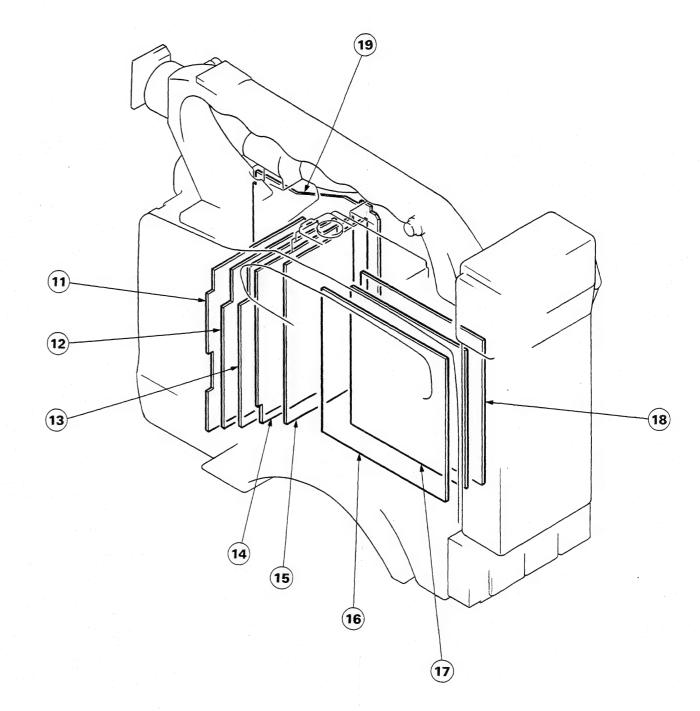


## SECTION C SCHEMATIC DIAGRAMS AND BOARD ILLUSTRATIONS

### **BOARD LAYOUT**



- ① SW-484 Board 6 CP-221 Board ② SW-506 Board ⑦ CP-189 Board ③ SW-485 Board ⑧ CP-189 Board ① FP-40/40P Board ② KY-191 Board
- ⑤ CP-188 Board ⑩ SW-507 Board



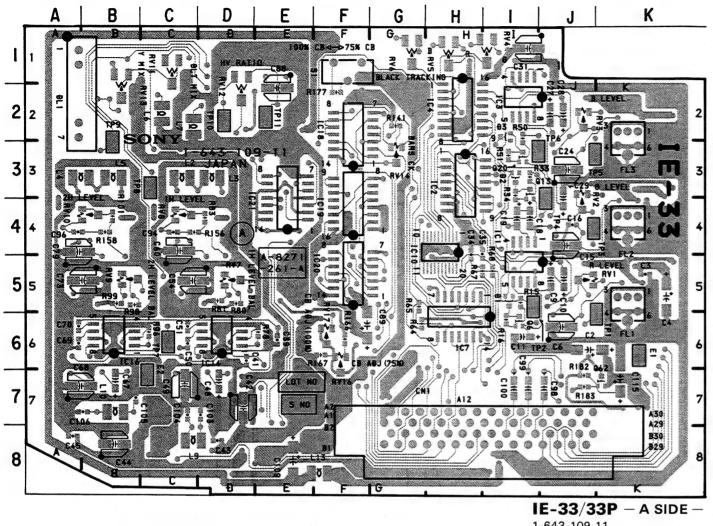
- © IE-33/33P Board
  © ES-4/4P Board
- ① CR-43/43P Board
- ® VO-43/43P Board
- 4 AT-70 Board
- <sup>19</sup> MB-384/384P Board

(5) MB-381/381P Board

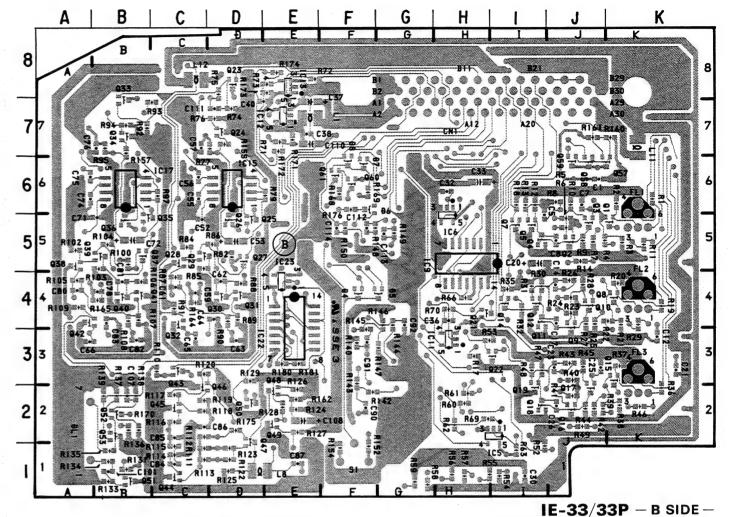
EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

15

SERIAL No. 10001-10850 (UC) 30001-30630 (J) 40001-40800 (EK)



1-643-109-11 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

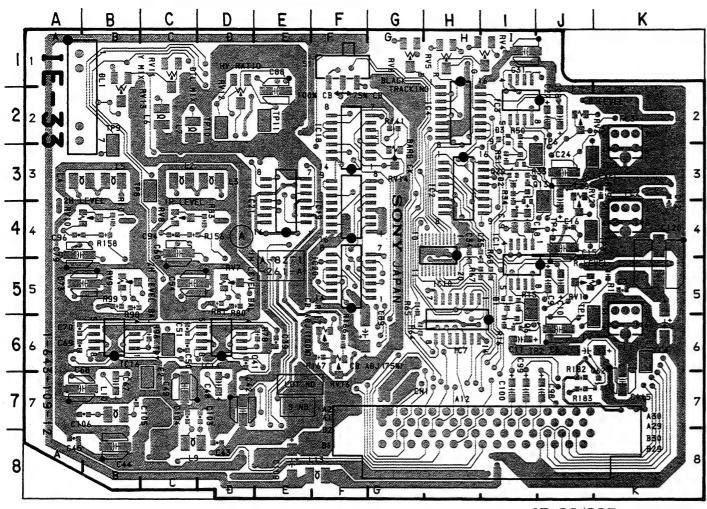


1-643-109-11 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

IE-33	/33P (1	-643-109-	11)												
*: B	SIDE														
CN1	H-7	IC1 IC2	I-4 H-3	*IC22 *IC23	D-3 E-5	*Q4 *Q5	I-5 I-5	*Q24 *Q25	D-7 D-5	*Q44 *Q45	C-1 C-2	RV5 RV6	H-1 G-1	TP6 TP7	J- C-
DL1	A-2	IC3 IC4	I - 2 H - 2	*L1	F-7	Q6 +Q7	I-6 I-5	*Q26 *Q27	D-5 D-5	*Q46 *Q47	D-2 D-1	RV7 RV8	D-5 C-4	TP8 TP9	C- B-
D1	I-5	*IC5	I-1	L2	C-3	+Q8	J-4	*Q28	C-5	*Q48	E-3	RV9	B-5	TP10	D-
D2 D3	I-3 I-2	+ IC6 IC7	H-5 H-6	L3 L4	D-3 A-3	*Q9 *Q10	J-3 J-4	+Q29 +Q30	C-5 D-4	*Q49 *Q50	E-2 D-2	RV10 RV11	A-4 C-1	TP11	E-
*D4 *D5	F-4 G-4	*IC9 IC10	G-5 G-4	L5 L6	B-3 C-2	*Q11 *Q12	I-3 I-4	*Q31 *Q32	D-4 C-3	*Q51 *Q52	B-1 B-2	RV12 RV13	D-2 C-2		
*D6 *D7	F-5 F-6	*IC11 *IC12	H-3 D-7	L7 +L8	C-2 E-1	Q13 +Q14	J-3 I-4	*Q33 *Q34	B-8 B-7	*Q53 *Q57	B-2 K-6	RV14 RV16	G-3 F-7		
*D8	F-6	*IC13 IC14	E-8 D-6	L9 L10	C-8 B-7	*Q15 *Q16	J-3 J-2	+Q35 +Q36	C-5 B-5	+Q58 +Q59	J-6 J-6	RV17	F-6		
E1 E2	K-6 C-7	*IC15 IC16	D-6 B-6	*L11 *L12	K-7 C-8	*Q17 *Q18	J-2 I-2	+Q37 +Q38	C-5 A-5	*Q60 *Q61	F-6 F-6	S1	E-1		
FL1	K-6	*IC17 IC18	C-6 F-2	L13	F-8	*Q19 Q20	I - 2 I - 3	*Q39 *Q40	A-5 B-4	RV1	K-5	TP1 TP2	K-6 I-6		
FL2	K-4	IC19	F-4	*Q1	J-6	*Q21	H-4	*Q41	B-4	RV2	J-4	TP3	K-4		
FL3	K-3	IC20 IC21	F-5 E-4	*Q2 *Q3	J-5 J-6	*Q22 *Q23	I-3 D-8	*Q42 *Q43	A-3 C-3	RV3 RV4	K-2 I-1	TP4 TP5	J-4 J-3		
							C-3								

IE-33																
*: B	SIDE															
CN1	H-7	IC1	I-4	*1C22	D-3	*Q4	I - 5	*Q24	D-7	+Q44	C-1	RV5	H-1	TP6	J-2	
		IC2	H-3	*1C23	E-5	*Q5	I - 5	*Q25	D-5	*Q45	C-2	RV6	G-1	TP7	C-6	
DL1	A-2	IC3	I-2			Q6	I-6	*Q26	D-5	*Q46	D-2	RV7	D-5	TP8	C-3	
		IC4	H-2	*L1	F-7	*Q7	1-5	+Q27	D-5	*Q47	D-1	RV8	C-4	TP9	B-2	
D1	I-5	+ I C 5	I-1	L2	C-3	*Q8	J-4	*Q28	C-5	*Q48	E-3	RV9	B-5	TP10	D-2	
D2	I-3	* IC6	H-5	L3	D-3	*Q9	J-3	*Q29	C-5	*Q49	E-2	RV10	A-4	TP11	E-2	
D3	1-2	IC7	H-6	L4	A-3	*Q10	J-4	*Q30	D-4	*Q50	D-2	RV11	C-1			
*D4	F-4	+ IC9	G-5	L5	B-3	*Q11	1-3	*Q31	D-4	*Q51	B-1	RV12	D-2			
*D5	G-4	IC10	G-4	L6	C-2	*Q12	I-4	*Q32	C-3	*Q52	B-2	RV13	C-2			
*D6	F-5	*IC11	H-3	L7	C-2	Q13	J-3	*Q33	B-8	+Q53	B-2	RV14	G-3			
*D7	F-6	*IC12	D-7	*L8	E-1	*Q14	I-4	*Q34	B-7	*Q57	K-6	RV16	F-7			
*D8	F-6	*IC13	E-8	L9	C-8	*Q15	J-3	*Q35	C-5	*Q58	J-6	RV17	F-6			
		IC14	D-6	L10	B-7	*Q16	J-2	*Q36	B-5	*Q59	J-6					
E1	K-6	*IC15	D-6	*L11	K-7	*Q17	J-2	+Q37	C-5	*Q60	F-6	S1	E-1			
E2	C-7	IC16	B-6	*L12	C-8	*Q18	1-2	*Q38	A-5	*Q61	F-6					
		*IC17	C-6	L13	F-8	*Q19	1-2	+Q39	A-5			TP1	K-6			
FL1	K-6	IC18	F-2			Q20	I-3	*Q40	B-4	RV1	K-5	TP2	I - 6			
FL2	K-4	IC19	F-4	+Q1	J-6	*Q21	H-4	*Q41	B-4	RV2	J-4	TP3	K-4			
FL3	K-3	IC20	F-5	+Q2	J-5	*Q22	1-3	*Q42	A-3	RV3	K-2	TP4	J-4			
		IC21	E-4	*Q3	J-6	*Q23	D-8	*Q43	C-3	RV4	I-1	TP5	J-3		VW-300 (J)	
								C-4							VW-300 (UC) VW-300P (EK)	

SERIAL No. 10851-12860 (UC) 30631—31535 (J) 40801—42810 (EK)



**IE-33/33P** - A SIDE -1-643-109-12 EVW-300 (J)

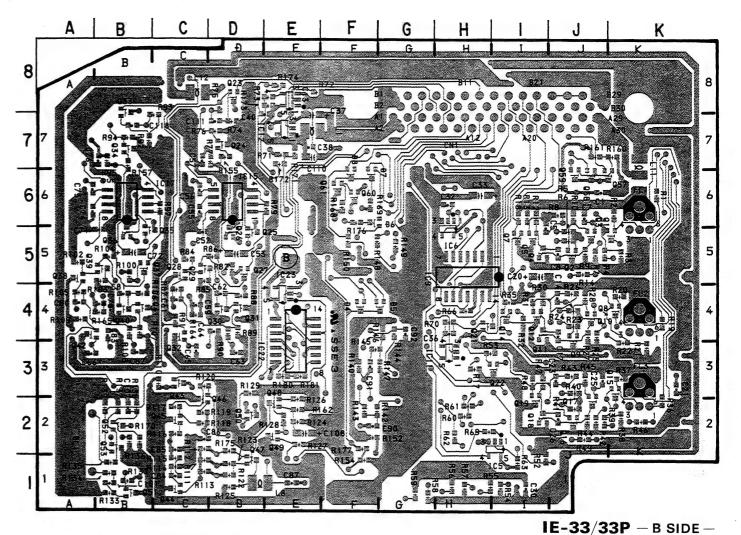
EVW-300 (UC)

													V-300			
IE-33	/33P (1	-643-109-	12)									EV\	V-300P	(EK)		
*: B	SIDE															
CN1	H-7	IC1	I - 4	*IC22	D-3	*Q4	1-5	*Q24	D-7	*Q44	C-1	RV5	H-1	TP6	J-2	
		IC2	H-3	*IC23	E-5	+Q5	I-5	*Q25	D-5	*Q45	C-2	RV6	G-1	TP7	C-6	
DL1	A-2	IC3	I-2			Q6	I - 6	*Q26	D-5	*Q46	D-2	RV7	D-5	TP8	C-3	
		IC4	H-2	*L1	F-7	*Q7	I-5	*Q27	D-5	+Q47	D-1	RV8	C-4	TP9	B-2	
D1	I - 5	* IC5	I-1	L2	C-3	*Q8	J-4	*Q28	C-5	*Q48	E-3	RV9	B-5	TP10	D-2	
D2	I - 3	* I C 6	H-5	L3	D-3	*Q9	J-3	*Q29	C-5	*Q49	E-2	RV10	A-4	TP11	E-2	
D3	I-2	IC7	H-6	L4	A-3	*Q10	J-4	*Q30	D-4	+Q50	D-2	RV11	C-1			
*D4	F-4	+ IC9	G-5	L5	B-3	*Q11	I-3	*Q31	D-4	+Q51	B-1	RV12	D-2			
*D5	G-4	IC10	G-4	L6	C-2	*Q12	I-4	*Q32	C-3	*Q52	B-2	RV13	C-2			
*D6	F-5	*IC11	H-3	L 7	C-2	Q13	J-3	+Q33	B-8	+Q53	B-2	RV14	G-3			
*D7	F-6	*IC12	D-7	*L8	E-1	*Q14	I-4	*Q34	B-7	*Q57	K-6	RV16	F-7			
*D8	F-6	*IC13	E-8	L9	C-8	*Q15	J-3	*Q35	C - 5	*Q58	J-6	RV17	F-6			
		IC14	D-6	L10	B-7	*Q16	J-2	+Q36	B-5	*Q59	J-6					
E1	K-6	*IC15	D-6	*L11	K-7	*Q17	J-2	*Q37	C-5	*Q60	F-6	S1	E-1			
E2	C-7	IC16	B-6	*L12	C-8	*Q18	I-2	*Q38	A-5	*Q61	F-6					
		*IC17	C-6	L13	F-8	*Q19	I-2	*Q39	A-5			TP1	K-6			
FL1	K-6	IC18	F-2			Q20	I-3	*Q40	B-4	RV1	K-5	TP2	I-6			
FL2	K-4	IC19	F-4	*Q1	J-6	*Q21	H-4	*Q41	B-4	RV2	J-4	TP3	K-4			
FL3	K-3	1020	F-5	*Q2	J-5	*Q22	1-3	*Q42	A-3	RV3	K-2	TP4	J-4			
		IC21	E-4	*Q3	J-6	*Q23	D-8	*Q43	C-3	RV4	I-1	TP5	J-3			
				•								3	- •			

EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

17

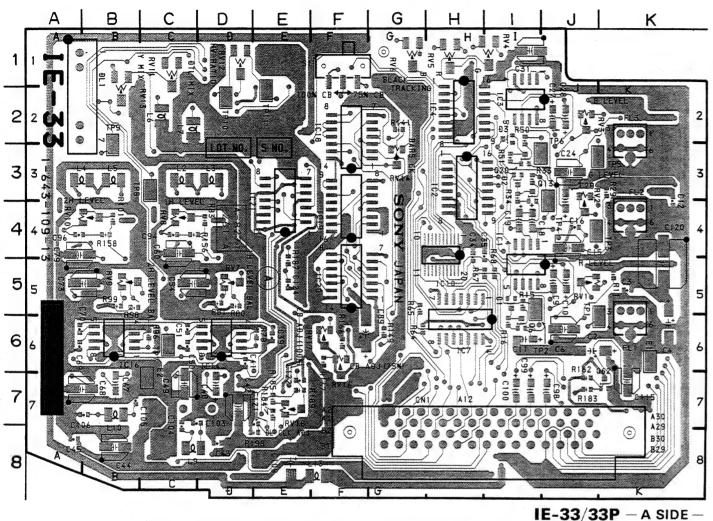
C-5	(b)



0	<i>5,</i> 00:
1-643-1	109-12
EVW-30	00 (J)
EVW-30	00 (UC)
EVW-30	OOP (EK

	EVW-300P (EK)
*: B SIDE	
CN1 H-7 IC1 I-4 *IC22 D-3 *Q4 I-5 *Q24 D-7 *Q44 C-1	RV5 H-1 TP6 J-2
IC2 H-3 *IC23 E-5 *Q5 I-5 *Q25 D-5 *Q45 C-2	RV6 G-1 TP7 C-6
DL1 A-2 IC3 I-2 Q6 I-6 +Q26 D-5 +Q46 D-2	RV7 D-5 TP8 C-3
IC4 H-2 *L1 F-7 *Q7 I-5 *Q27 D-5 *Q47 D-1	RV8 C-4 TP9 B-2
D1 I-5 *IC5 I-1 L2 C-3 *Q8 J-4 *Q28 C-5 *Q48 E-3	RV9 B-5 TP10 D-2
D2 I-3 *IC6 H-5 L3 D-3 *Q9 J-3 *Q29 C-5 *Q49 E-2	RV10 A-4 TP11 E-2
D3 I-2 IC7 H-6 L4 A-3 *Q10 J-4 *Q30 D-4 *Q50 D-2	RV11 C-1
*D4 F-4 *IC9 G-5 L5 B-3 *Q11 I-3 *Q31 D-4 *Q51 B-1	RV12 D-2
*D5 G-4 IC10 G-4 L6 C-2 *Q12 I-4 *Q32 C-3 *Q52 B-2	RV13 C-2
*D6 F-5 *IC11 H-3 L7 C-2 Q13 J-3 *Q33 B-8 *Q53 B-2	RV14 G-3
*D7 F-6 *IC12 D-7 *L8 E-1 *Q14 I-4 *Q34 B-7 *Q57 K-6	RV16 F-7
*D8 F-6 *IC13 E-8 L9 C-8 *Q15 J-3 *Q35 C-5 *Q58 J-6	RV17 F-6
IC14 D-6 L10 B-7 *Q16 J-2 *Q36 B-5 *Q59 J-6	
E1 K-6 *IC15 D-6 *L11 K-7 *Q17 J-2 *Q37 C-5 *Q60 F-6	S1 E-1
E2 C-7 IC16 B-6 *L12 C-8 *Q18 I-2 *Q38 A-5 *Q61 F-6	
*IC17 C-6 L13 F-8 *Q19 I-2 *Q39 A-5	TP1 K-6
FL1 K-6 IC18 F-2 Q20 I-3 +Q40 B-4 RV1 K-5	TP2 I-6
FL2 K-4 IC19 F-4 *Q1 J-6 *Q21 H-4 *Q41 B-4 RV2 J-4	TP3 K-4
FL3 K-3 IC20 F-5 *Q2 J-5 *Q22 I-3 *Q42 A-3 RV3 K-2	TP4 J-4
IC21 E-4 +Q3 J-6 +Q23 D-8 +Q43 C-3 RV4 I-1	TP5 J-3

SERIAL No. 12861 and higher (UC) 31536 and higher (J) 42826 and higher (EK)



1-643-109-13 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

IE-33/33P (1-643-109-13) \*: B SIDE CN1 H-7 IC1 \*IC23 E-5 \*Q5 +025 +045 IC2 H-3 I - 6 \*Q26 D-5 \*Q46 TP7 RV7 D-5 C-6 IC3 DL1 I-2 \*L1 \*Q7 1-5 \*Q27 +Q47 RV8 C-4 TP8 C-3 IC4 L2 C-3 \*Q8 J-4 +Q28 C-5 \*Q48 RV9 B-5 TP9 B-2 RV10 A-4 D1 \*IC5 L3 D-3 \*Q9 J-3 \*Q29 C-5 \*Q49 E-2 TP10 D-2 D2 I - 3 \* I C 6 H-5 L4 A-3 \*Q10 J-4 +Q30 D-4 \*Q50 D-2 RV11 C-1 TP11 E-2 D3 IC7 \*Q11 \*Q12 I-2 H-6 L5 B-3 \*Q31 I-3D-4 \*Q51 B-1 RV12 D-2 \*D4 \*IC9 F-4 G-5 L6 C-2 1-4 +Q32 C-3 \*Q52 B-2 RV13 C-2 \*D5 G-4 IC10 G-4 L7 C-2 Q13 J-3 \*Q33 B-8 \*Q53 B-2 RV14 G-3 \*D6 F-5 \*IC11 H-3 \*L8 E-1 +Q14 \*Q34 +Q57 K-6 RV16 F-7 \*D7 \*IC12 D-7 L9 C-8 \*Q15 \*Q35 C-5 \*Q58 J-6 RV17 F-6 \*D8 IC14 D-6 L10 +016 F-6 B-7 J-2 \*Q36 \*Q59 B-5 J-6 RV18 E-7 \*IC15 D-6 \*L11 K-7 +017 J-2 \*Q37 C-5 +060 F-5 E1 IC16 B-6 \*L12 C-8 \*Q18 I - 2 \*Q38 A-5 \*Q61 F-6 S1 E-1 E 2 C-7 \*IC17 C-6 L13 F-8 \*Q19 \*Q39 A-5 IC18 F-2 Q20 1-3 \*Q40 B-4 RV1 TP1 K-6 IC19 F-4 IC20 F-5 FL1 K-6 \*Q1 J-6 \*Q21 H-4 \*Q41 B-4 RV2 J-4 TP2 I - 6 IC20 J-5 FL2 \*Q2 K-4 \*Q22 I - 3 \*Q42 A-3RV3 K-2 TP3 K-4 FL3 IC21 E-4 \*Q3 J-6 \*Q23 D-8 \*Q43 I-1 TP4 J-4 \*IC22 D-3 \*Q4 \*Q24 \*Q44 TP5 RV5 J-3

H G E R61 4 5 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 B2 0-0-0 0 0 0 0 0 0 0 0 0 818 **IE-33/33P** - B SIDE -

> 1-643-109-13 EVW-300 (J) EVW-300 (UC)

IE-33	/33P (1	-643-109-	13)									EVW-30	OOP (EK	.)	
*: B	SIDE														
CNI	H-7	IC1 IC2	I-4 H-3	*1023	E-5	*Q5 Q6	I - 5 I - 6	*Q25 *Q26	D-5 D-5	*Q45 *Q46	C-2 D-2	RV6 RV7	G-1 D-5	TP6 TP7	J-2 C-6
DL1	A-2	IC3 IC4	I-2 H-2	*L1 L2	F-7 C-3	+Q7 +Q8	I-5 J-4	*Q27 *Q28	D-5 C-5	*Q47 *Q48	D-1 E-3	RV8 RV9	C-4 B-5	TP8 TP9	C-3 B-2
D1 D2	I-5 I-3	*1C5 *IC6	I-1 H-5	L3 L4	D-3 A-3	*Q9 *Q10	J-3 J-4	*Q29 *Q30	C-5 D-4	*Q49 *Q50	E-2 D-2	RV10 RV11	A-4 C-1	TP10 TP11	D-2 E-2
D3	I-2	IC7	H-6	L5	B-3	*Q11	I - 3	*Q31	D-4	*Q51	B-1	RV12	D-2	11 11	L 2
*D4 *D5	F-4 G-4	*IC9 IC10	G-5 G-4	L 6 L 7	C-2 C-2	*Q12 Q13	I-4 J-3	*Q32 *Q33	C-3 B-8	*Q52 *Q53	B-2 B-2	RV13 RV14	C-2 G-3		
*D6 *D7	F-5 F-6	*IC11 *IC12	H-3 D-7	*L8	E-1 C-8	*Q14 *Q15	I-4 J-3	*Q34 *Q35	B-7 C-5	*Q57 *Q58	K-6 J-6	RV16 RV17	F-7 F-6		
*D8	F-6	IC14 +IC15	D-6 D-6	L10 +L11	B-7 K-7	*Q16 *Q17	J-2 J-2	*Q36 *Q37	B-5 C-5	*Q59 *Q60	J-6 F-5	RV18	E - 7		
E1 E2	K-6 C-7	IC16 *IC17	B-6 C-6	*L12 L13	C-8 F-8	*Q18 *Q19	I - 2 I - 2	*Q38 *Q39	A-5 A-5	*Q61	F-6	\$1	E - 1		
FL1	K-6	IC18 IC19	F-2 F-4	*Q1	J-6	Q20 *Q21	I - 3 H- 4	*Q40 *Q41	B-4 B-4	RV1 RV2	K-5 J-4	TP1 TP2	K-6 I-6		
FL2	K-4	1020	F-5	*Q2	J-5	*Q22	I - 3	*Q42	A-3	RV3	K-2	TP3	K-4		
FL3	K-3	1C21 *IC22	E-4 D-3	*Q3 *Q4	J-6 1-5	*Q23 *Q24	D-8 D-7	*Q43 *Q44	C-3	RV4 RV5	I - 1 H - 1	TP4 TP5	J-4 J-3		
															7/M 200 (I)

EVW-300 (J) EVW-300 (UC) EVW-300P (EK)



### 注意:

1. DC 電圧はデジタル電圧計による値。

No Mark: CAM mode ( ) Mark : BARS mode

2. 波形写真, 及び DC 電圧は下記条件での測定。

・グレースケールチャートを撥像し、波形モニターにて、ビデオ出 力の白レベルが100IRE (NTSC) または700 mV (PAL) になる 様にレンズ絞りをセットする。

• OUTPUT

: CAM

• GAIN

: 0dB • WHITE BAL : PRE ·SHUTTER : OFF

NOTE:

1. All voltage are DC. measured with a digital voltmeter.

No Mark: CAM mode () Mark: BARS mode

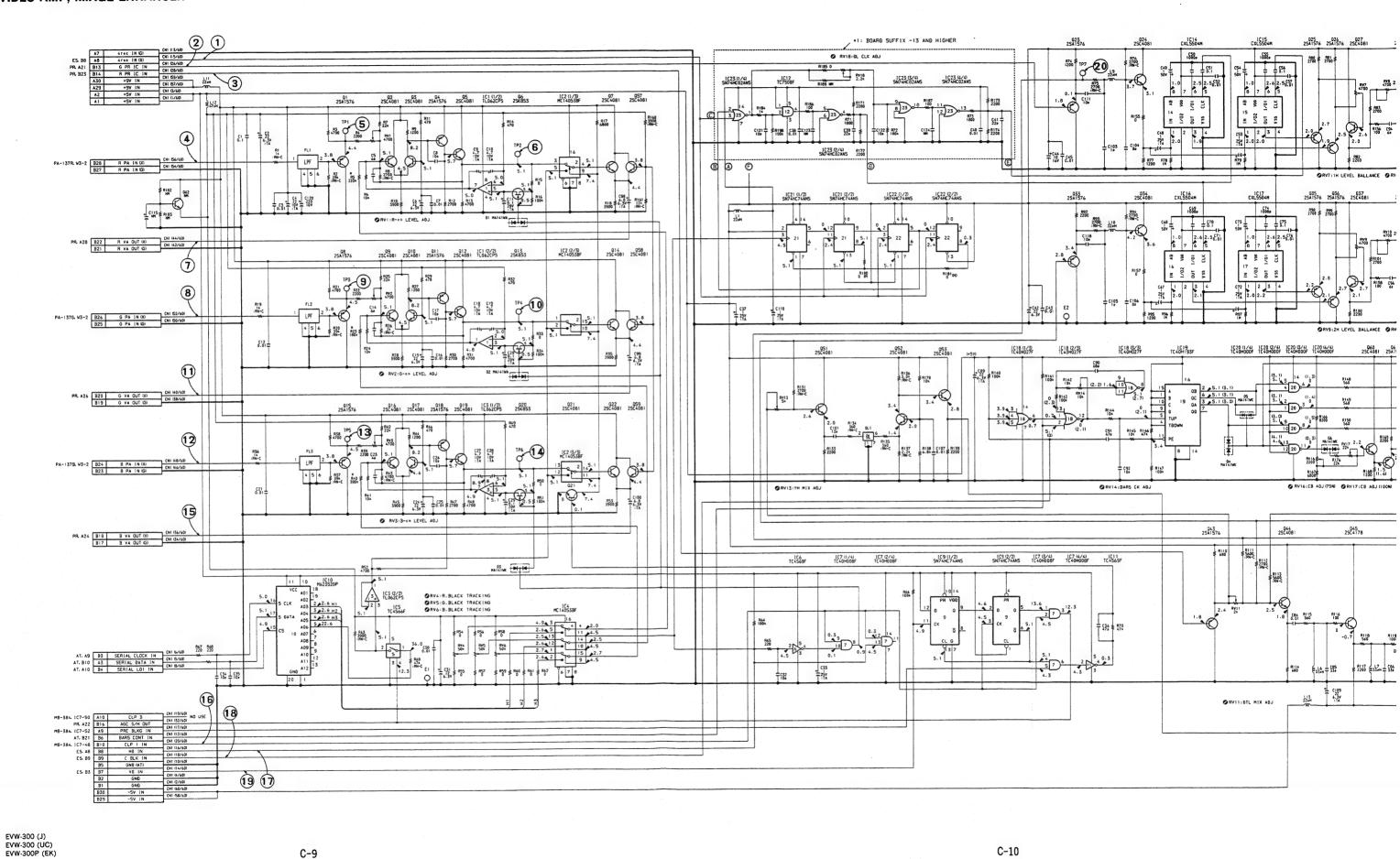
2. All waveforms are taken and DC voltage is measured in condition below.

· Shoot the grayscale chart. Ajust lens iris so that a white level is 100IRE (for NTSC) or 700 mV (for PAL) on the waveform monitor.

• OUTPUT : CAM : 0dB • GAIN : PRE · WHITE BAL • SHUTTER : OFF

18 CN1-B9 BLKG CAM/BARS 12 CN1-B24 B PA TP2/TP4/TP6 CAM side CAM side CAM side CN1-A8 TP2/TP4/1P6 1 CN1-A 4FSC 530 mV p-p 115 mV ← H ----**←** H → 14.3 MHz - H-→ 19 CN1-B7 CAM/BARS CN1-B22 R VA 2 CN1-B13 G PR VIDEO TP5 CAM side CAM side CAM side 13 TP5 B PA VIDEO 100 mV 5.1 V p-p **←**—H ----> ←-H-------H-20 TP7 G PR VIDEO CAM side 3 CN1-B14 R PR IC 15 CN1-B18 B VA CN1-B26 CAM side CAM side CAM side <---H----> **←** H → --- H---- H ----21) CN1-B15, TP8 CAM side (4) CN1-B28 (16) CN1-A9 CLP1 CAM side CAM side CAM side TP3 G PA VIDEO 5.1 V p-p <---H----> --- H ----- H --← H → 22 TP9 R PR VIDEO (17) CN1-B8 CAM side TP1 R PA VIDEO CAM/BARS CAM side CN1-B20 CAM side (11) CN1-E 910 mV 5.1 V p-p **←**— Η — → ←— H —— 4----H-----

#### VIDEO AMP, IMAGE ENHANCER



E

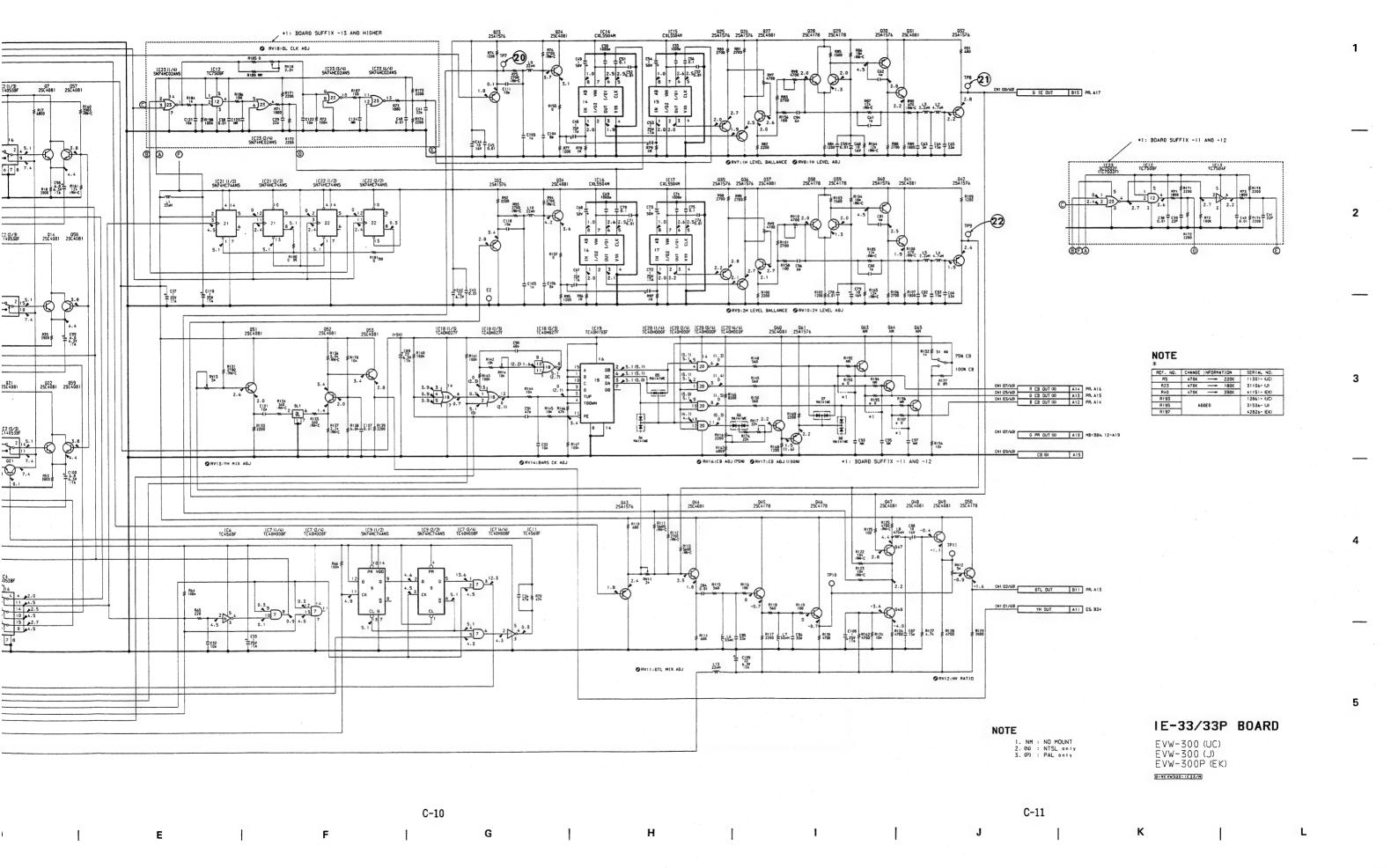
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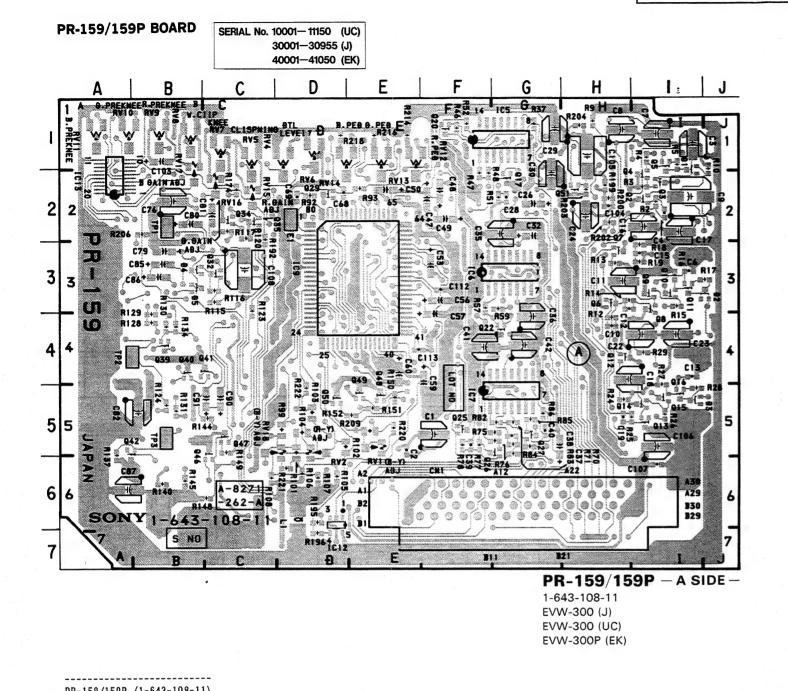
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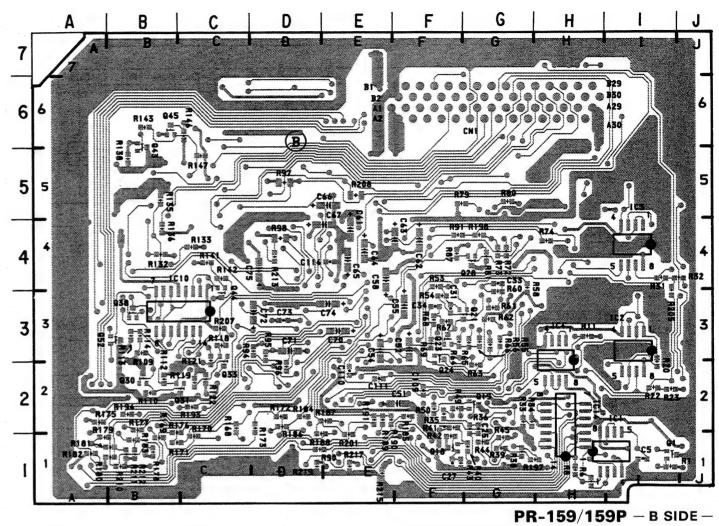
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C-9

C







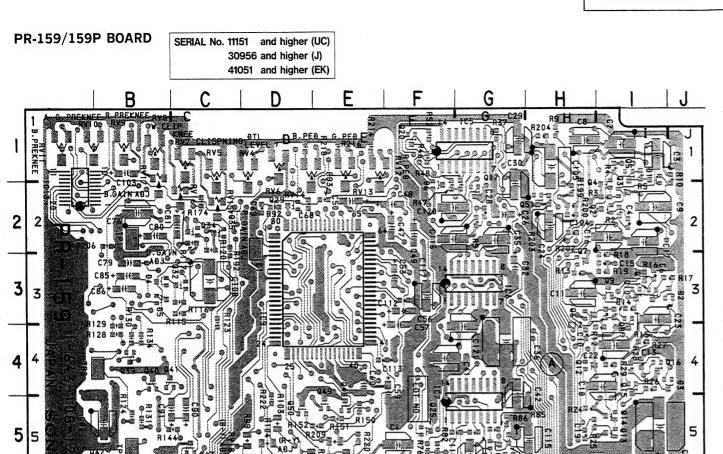
1-643-108-11 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

PR-15	9/159P	(1-643-10	8-11)						
*: B	SIDE								
CN1	F-6	IC9	D-3	Q11	1-3	+Q31	C-2	RV1	E-6
		*IC10	B-4	Q12	H-4	Q32	C-3	RV2	D-6
D1	I-1	IC12	D-7	Q13	I-5	*Q33	C-2	RV4	D-1
D2	J-3	IC13	A-2	Q14	I-5	Q34	C-2	RV5	C-1
D3	J-4	*IC14	H-2	Q15	I-4	Q35	C-2	RV6	D-2
D4	B-3			Q16	I-4	*Q38	B-3	RV7	C-1
D5	B-3	L1	D-6	Q17	G-2	Q39	B-4	RV8	B-1
D6	F-2	*L2	H-6	*Q18	F-1	Q40	B-4	RV9	B-1
*D8	F-4	L3	H-5	*Q19	G-2	Q41	B-4	RV10	B-1
*D10	F-2			Q20	F-1	Q42	A-5	RV11	A-1
		*Q1	I-1	*Q21	G-3	*Q43	B-6	RV12	F-1
E1	D-3	Q2	H-2	*Q22	G-4	+Q44	C-3	RV13	E-2
		Q3	I-2	*Q23	F-3	*Q45	B-6	RV14	D-2
*1C1	I-2	Q4	H-2	*Q24	F-2	Q46	B-6	RV15	C-2
+1C2	I-3	Q5	I-1	Q25	F-5	Q47	C-5	RV16	C-2
*IC3	I-4	Q6	H-3	*Q26	G-5	Q48	E-4	RV17	B-1
+IC4	H-3	Q7	H-2	Q27	G-5	Q49	E-4		
105	G-1	Q8	I-4	*Q28	G-4	Q50	D-5	TP1	B-2
106	G-3	Q9	I - 3	Q29	D-2	Q51	H-2	TP2	A-4
IC7	F-4	Q10	I - 3	+Q30	B-2	*Q52	A-3	TP3	B-5
							0	12	

*: B S	SIDE								
CN1	F-6	IC9	D-3	Q11	I-3	<b>+Q31</b>	C-2	RV1	E-6
		*IC10	B-4	Q12	H-4	Q32	C-3	RV2	D-6
D1	I-1	IC12	D-7	Q13	1-5	*Q33	C-2	RV4	D-1
D2	J-3	IC13	A-2	Q14	I-5	Q34	C-2	RV5	C-1
D3	J-4	+IC14	H-2	Q15	I-4	Q35	C-2	RV6	D-2
D4	B-3			Q16	1-4	*Q38	B-3	RV7	C-1
D5	B-3	L1	D-6	Q17	G-2	Q39	B-4	RV8	B-1
D6	F-2	*L2	H-6	*Q18	F-1	Q40	B-4	RV9	B-1
*D8	F-4	L3	H-5	*Q19	G-2	Q41	B-4	RV10	B-1
*D10	F-2			Q20	F-1	Q42	A-5	RV11	A-1
		<b>+Q1</b>	I-1	+021	G-3	*Q43	B-6	RV12	F-1
E1	D-3	Q2	H-2	+022	G-4	*Q44	C-3	RV13	E-2
		Q3	I-2	+023	F-3	*Q45	B-6	RV14	D-2
*IC1	I-2	Q4	H-2	*Q24	F-2	Q46	B-6	RV15	C-2
+IC2	1-3	Q5	I-1	Q25	F-5	Q47	C-5	RV16	C-2
+ IC3	I-4	Q6	H-3	<b>+Q26</b>	G-5	Q48	E-4	RV17	B-1
+IC4	H-3	Q7	H-2	Q27	G-5	Q49	E-4		
IC5	G-1	Q8	I-4	+Q28	G-4	Q50	D-5	TP1	B-2
IC6	G-3	Q9	I-3	Q29	D-2	Q51	H-2	TP2	A-4
IC7	F-4	Q10	I-3	*Q30	B-2	*Q52	A-3	TP3	B-5

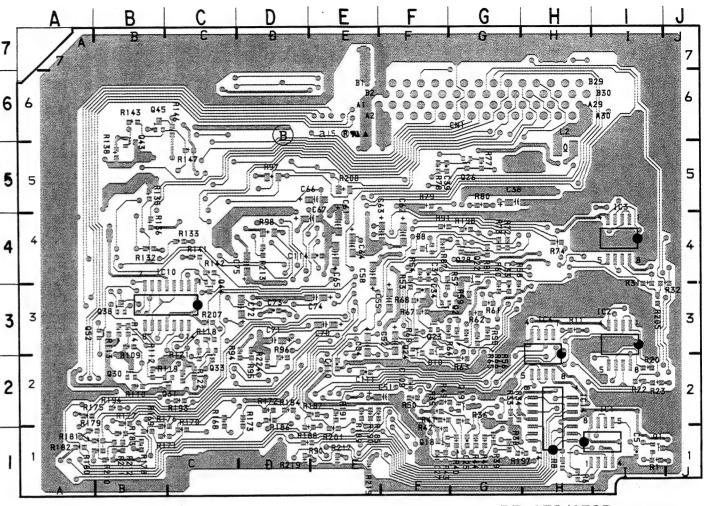
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EVW-300 (J) EVW-300 (UC) EVW-300P (EK)





1-643-108-12 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)



**PR-159/159P** — B SIDE — 1-643-108-12

EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

_																										
			1-643-10						PR-159/159P (1-643-108-12)																	
																	+: B S	SIDE								
*	: B S	וטנ																								
	CN1	F-6	IC9	D-3	Q11	I - 3	*031	C-2	RV1	E-6							CN1	F-6	IC9	D-3	Q11	1-3	*Q31	C-2	RV1	E-6
	ORI	1 0	*IC10	B-4	Q12	H-4	Q32	C - 3	RV2	D-6									*IC10	B-4	Q12	H-4	Q32	C-3	RV2	D-6
	D1	I-1	IC12	D-7	013	I-5	+Q33	C-2	RV4	D-1							D1	I-1	IC12	D-7	Q13	I-5	*Q33	C-2	RV4	D-1
	D2	J-3	IC13	A-2	Q14	I - 5	Q34	C-2	RV5	C-1							D2	J-3	IC13	A-2	Q14	I - 5	Q34	C-2	RV5	C-1
	D3	J-4	*IC14	H-2	Q15	I - 4	Q35	C-2	RV6	D-2							D3	J-4	*IC14	H-2	Q15	1-4	Q35	C-2	RV6	D-2
	D4	B-3	.1014	11 2	Q16	I - 4	*Q38	B-3	RV7	C-1							D4	B-3			Q16	1 - 4	*Q38	B-3	RV7	C-1
	D5	B-3	1.1	D-6	Q17	G-2	Q39	B-4	RV8	B-1							D5	B-3	L1	D-6	Q17	G-2	Q39	B-4	RV8	B-1
	D6	F-2	*L2	H-6	+Q18	F-1	Q40	B-4	RV9	B-1							D6	F-2	*L2	H-6	*Q18	F-1	Q40	B-4	RV9	B-1
	D8	F-4	L3	H-5	*Q19	G-2	Q41	B-4	RV10	B-1							*D8	F-4	L3	H-5	*Q19	G-2	Q41	B - 4	RV10	B-1
	D10	F-2	LJ	11 3	Q20	F-1	Q42	A-5		A-1							*D10	F-2			Q20	F-1	Q42	A-5	RV11	
•	<b>D10</b>	1 2	*Q1	I-1	+Q21	G-3	*Q43	B-6	RV12										*Q1	I-1	*Q21	G-3	*Q43	B-6	RV12	
	E 1	D-3	Q2	H-2	*Q22	G-4	*Q44	C-3	RV13								E1	D-3	Q2	H-2	*Q22	G-4	*Q44	C - 3	RV13	
	LI	D 3	Q3	I - 2	*Q23	F-3	*Q45	B-6	RV14										Q3	I-2	*Q23	F-3	*Q45	B-6	RV14	
*	IC1	I-2	Q4	H-2	*Q24	F-2	Q46	B-6	RV15								*IC1	I - 2	Q4	H-2	*Q24	F-2	Q46	B-6	RV15	
	IC2	I - 3	Q5	I-1	Q25	F-5	Q47	C-5	RV16								* I C 2	I - 3	Q5	I - 1	Q25	F-5	Q47	C-5	RV16	
	IC3	I - 4	Q6	H-3	*Q26	G-5	Q48	E-4	RV17								*IC3	I-4	Q6	H-3	*Q26	G-5	Q48	E-4	RV17	B-1
	IC4	H-3	07	H-2	Q27	G-5	Q49	E-4									*IC4	H-3	Q7	H-2	Q27	G-5	Q49	E-4		
	IC5	G-1	Q8	I-4	*Q28	G-4	Q50	D-5	TP1	B-2							1C5	G-1	Q8	I-4	*Q28	G-4	Q50	D-5	TP1	B-2
	IC6	G-3	Q9	I-3	Q29	D-2	Q51	H-2	TP2	A-4							IC6	G-3	Q9	I - 3	Q29	D-2	Q51	H-2	TP2	A-4
	IC7	F-4	Q10	I - 3	*Q30	B-2	*Q52	A-3	TP3	B-5							IC7	F-4	Q10	I-3	*Q30	B-2	*Q52	A-3	TP3	B-5
	101		410	. •	400			_					. 2													

EVW-300 (J) EVW-300 (UC) EVW-300P (EK)



注意:

1. DC 電圧はデジタル電圧計による値。

No Mark: CAM mode ( ) Mark : BARS mode

2. 波形写真, 及び DC 電圧は下記条件での測定。

・グレースケールチャートを撮像し、波形モニターにて、ビデオ出 力の白レベルが100IREになる様にレンズ絞りをセットする。

• OUTPUT : CAM • GAIN : 0dB · WHITE BAL : PRE : OFF • SHUTTER

#### NOTE:

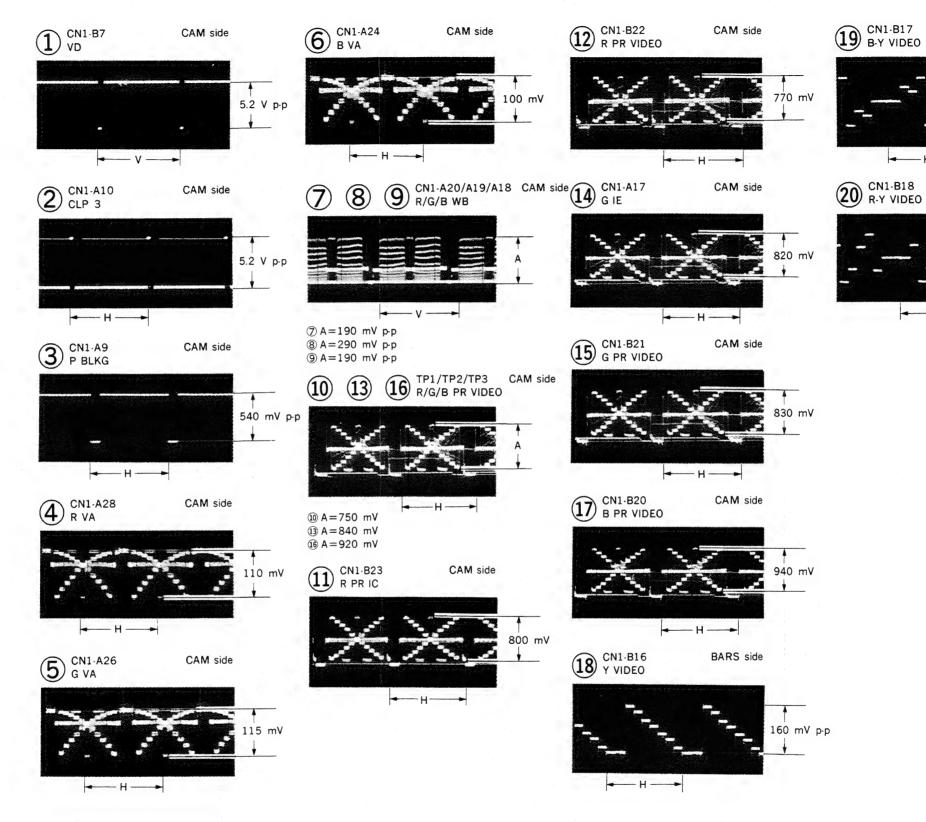
1. All voltage are DC. measured with a digital voltmeter.

No Mark: CAM mode ( ) Mark: BARS mode

2. All waveforms are taken and DC voltage is measured in condition below.

 Shoot the grayscale chart. Ajust lens iris so that a white level is 100IRE on the waveform monitor.

: CAM • OUTPUT • GAIN : OdB : PRE · WHITE BAL SHUTTER : OFF



BARS side

BARS side

540 mV p-p

**←** H →

← H ---



注意: 1. DC 電圧はデジタル電圧計による値。

No Mark: CAM mode ( ) Mark : BARS mode

2. 波形写真, 及び DC 電圧は下記条件での測定。

・グレースケールチャートを撥像し、波形モニターにて、ビデオ出 力の白レベルが700 mV になる様にレンズ絞りをセットする。

• OUTPUT : CAM • GAIN : 0dB • WHITE BAL : PRE • SHUTTER : OFF

#### NOTE:

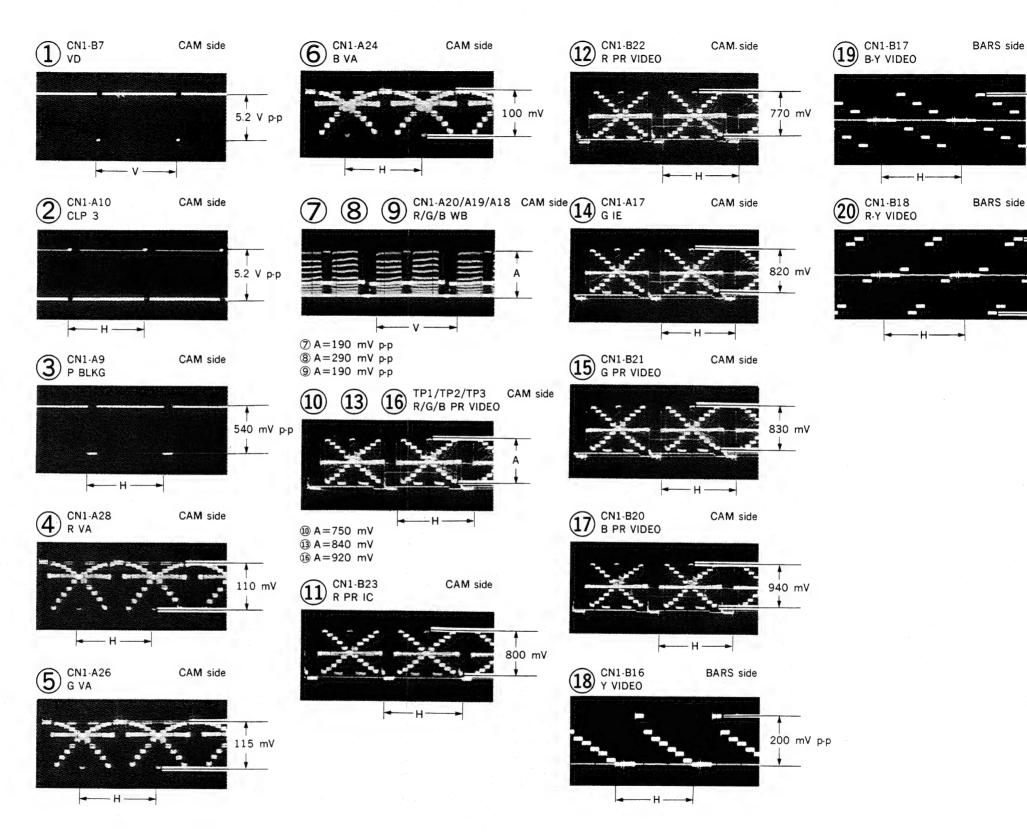
1. All voltage are DC. measured with a digital voltmeter.

No Mark: CAM mode () Mark: BARS mode

2. All waveforms are taken and DC voltage is measured in condition below.

· Shoot the grayscale chart. Ajust lens iris so that a white level is 700 mV on the waveform monitor.

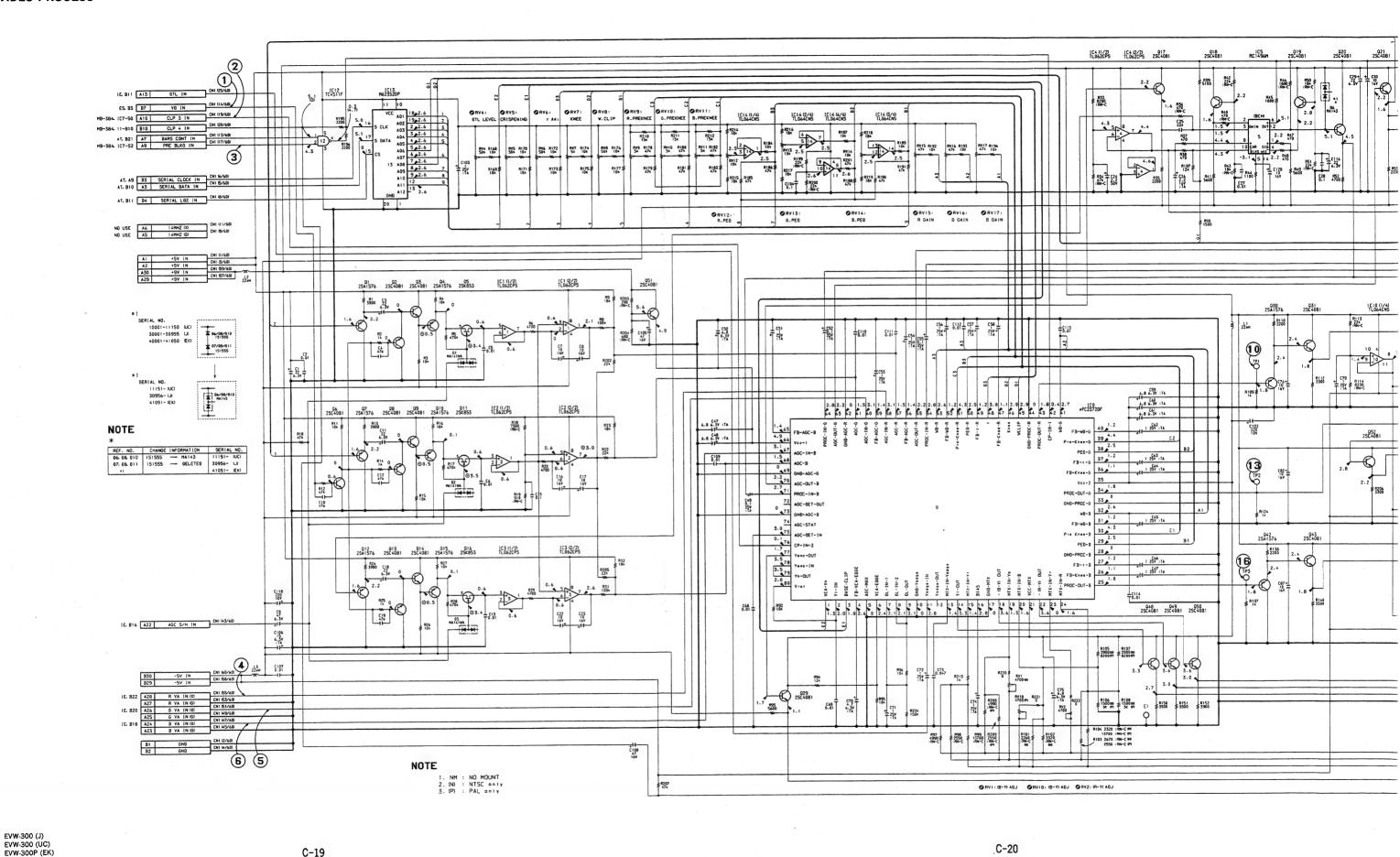
• OUTPUT : CAM • GAIN : OdB · WHITE BAL : PRE • SHUTTER : OFF



420 mV p-p

600 mV p-p

#### **VIDEO PROCESS**



C-20

G

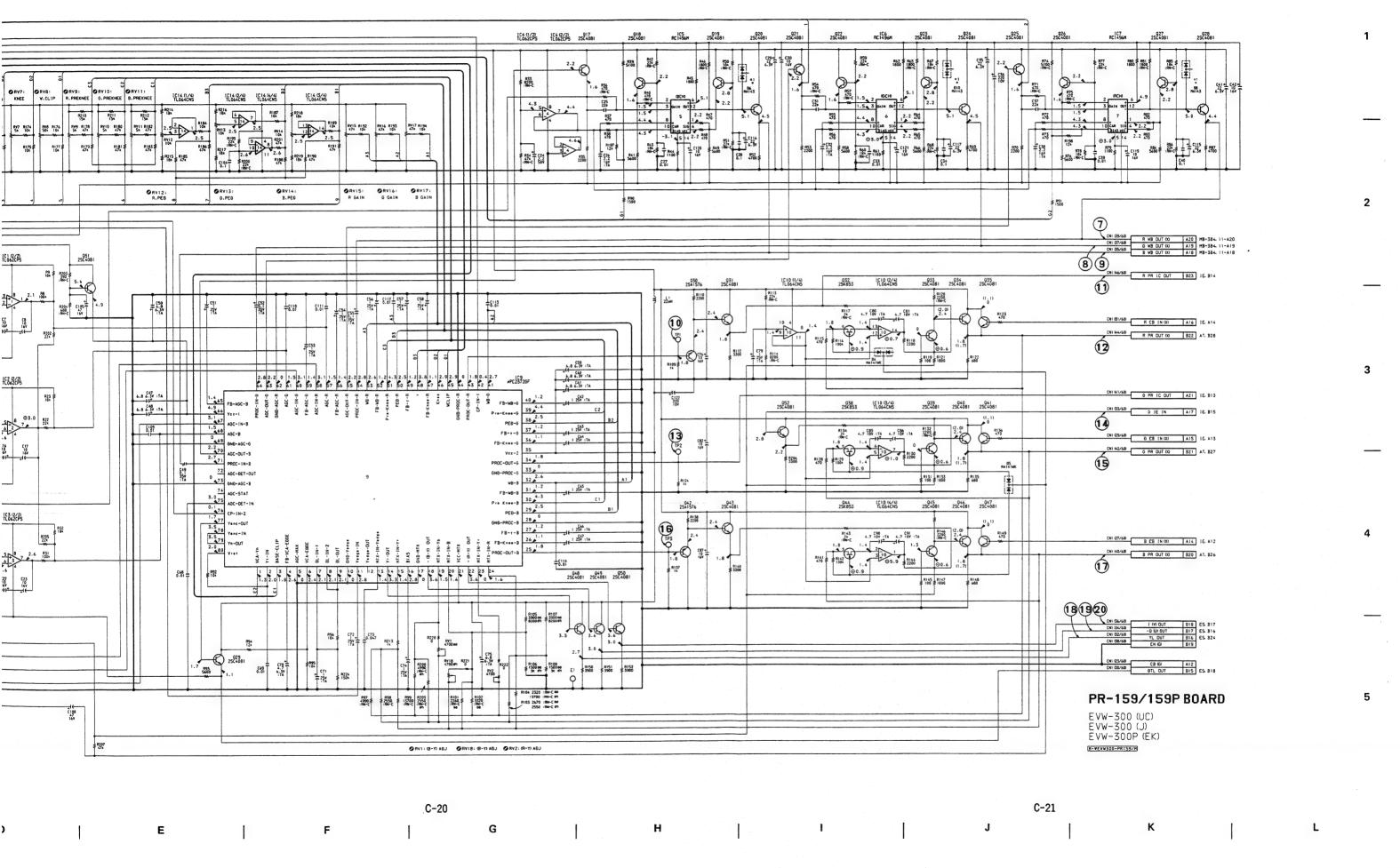
Н

FVW-300 (J)

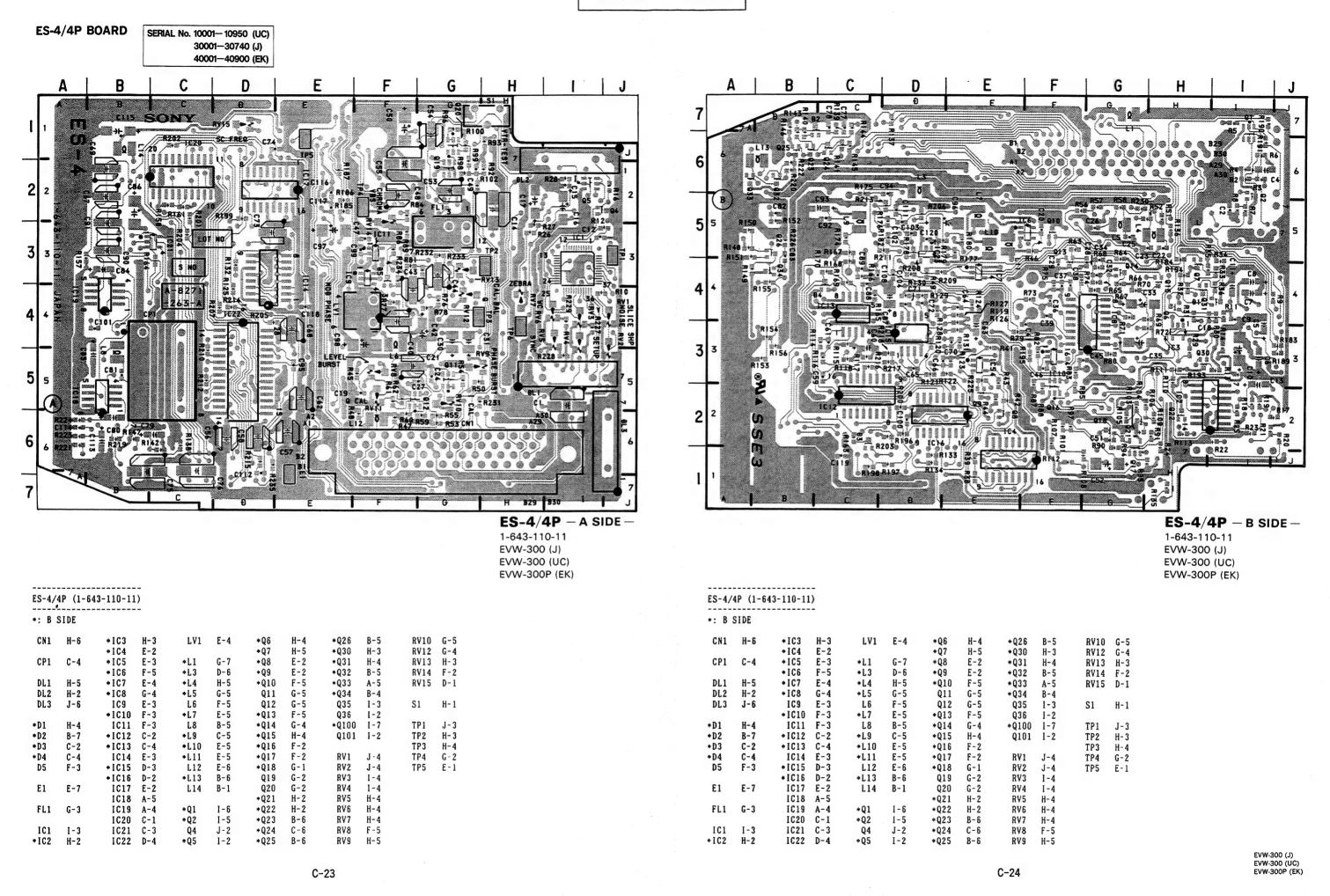
C-19

С

D

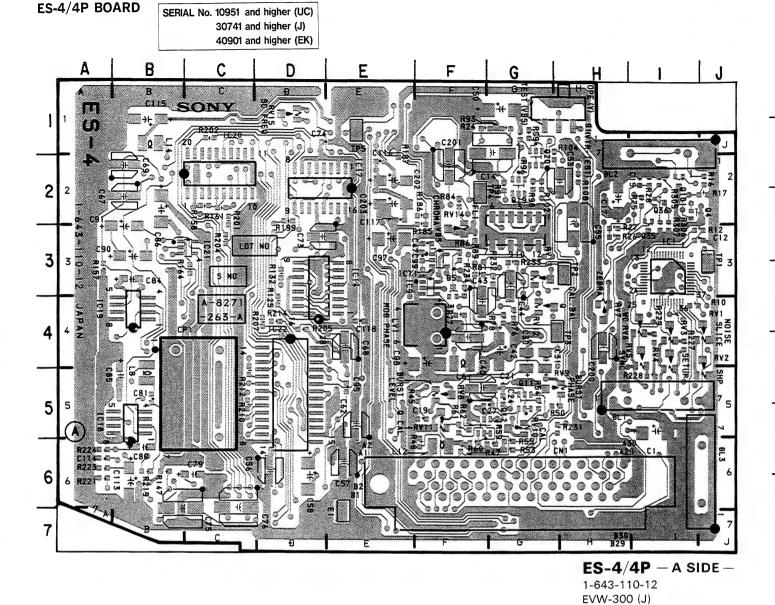


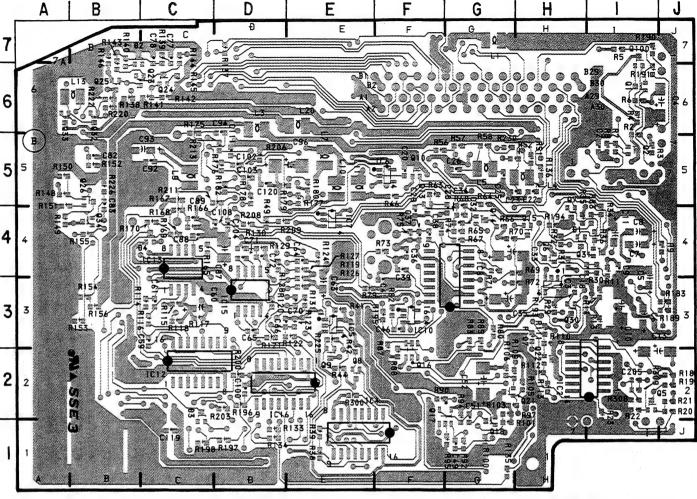
ES-4/4P ES-4/4P



EVW-300 (UC)

EVW-300P (EK)





ES-4/4P - B SIDE -1-643-110-12

EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

#### \_\_\_\_\_\_ ES-4/4P (1-643-110-12) \*: B SIDE \*Q25 LV1 E-4 CN1 \*Q26 RV10 G-5 H-4 H-5 B-5 E-2 \* I C 4 RV12 G-4 CP1 \*Q30 H-3 C-4 E-3 RV13 H-3 \* I C 6 \*L3 D-6 E-2 \*Q31 \*Q9 \*Q10 Q11 DL1 \*IC7 E-4 \*L4 H-5 \*Q32 RV14 F-2 H-5 DL2 DL3 \*IC8 G-4 \*L5 G-5 F-5 \*Q33 A~5 RV15 D-1 H-2 F-5 E-5 L6 \*L7 G-5 G-5 E-3 J-6 \*Q34 B-4 IC9 S1 H-1 F-3 Q12 Q35 I - 3 \*IC10 \*D1 \*D2 \*D3 IC11 F-3 L8 B-5 \*Q13 F-5 Q36 1 - 2 \*Q100 I-7 Q101 I-2 B-7 \*IC12 C-2 \*L9 C-5 \*Q14 G-4 \*Q100

TP2

TP3

TP4

TP5

H-3

H-4

G-2

E-1

							-							
							)	ES-4/4P (1-643-110-12)						
							-		SIDE	*: B				
RV9 H-5 RV10 G-5	B-6 B-5	*Q25 *Q26	l - 2 H- 4	*Q5 *Q6	E-4	LV1	H-3 E-2	*IC3 *IC4	H-6	CN1				
RV12 G-4 RV13 H-3	H-3 H-4	+Q30 +Q31	H-5 E-2	+Q7 +Q8	G-7 D-6	*L1 *L3	E-3 F-5	*1C5 *1C6	C-4	CP1				
RV14 F-2	B-5	*Q32	E-2	*Q9	H-5	*L4	E-4	* I C 7	H-5	DL1				
RV15 D-1	A-5	*Q33	F-5	*Q10	G-5	*L5	G-4	*IC8	H-2	DL2				
	B-4	*Q34	G-5	Q11	F-5	L6	E-3	IC9	J-6	DL3				
S1 H-1	I - 3	Q35	G-5	Q12	E-5	*L7	F-3	*IC10						
	I - 2	Q36	F-5	*Q13	B-5	L8	F-3	IC11	H-4	*D1				
TP1 J-3	I - 7	*Q100	G-4	*Q14	C-5	*L9	C-2	*IC12	B-7	*D2				
TP2 H-3	I - 2	Q101	H-4	*Q15	E-5	*L10	C-4	*IC13	C-2	*D3				
TP3 H-4			F-2	+Q16	E-5	*L11	E-3	IC14	C-4	*D4				
TP4 G-2	J-4	RV1	F-2	*Q17	E - 6	L12	D-3	*IC15	F-3	D5				
TP5 E-1	J - 4	RV2	G-1	*Q18	B-6	*L13	D-2	*IC16						
	I-4	RV3	G-2	Q19	B-1	L14	E-2	IC17	E-7	E1				
	1-4	RV4	G-2	Q20	E-6	*L20	A-5	IC18						
	H-4	RV5	H-2	*Q21			A-4	IC19	F-2	FL1				
	H-4	RV6	H-2	*Q22	I - 6	*01	C-1	IC20						
	H-4	RV7	B-6				C-3	IC21	I-3	IC1				
	F-5	RV8	C-6	*Q24	J-2	Q4	D-4	IC22	H-2	* I C 2				
	H-4	RV7	B-6	*Q23	I - 5	*Q1 *Q2 Q4	C-3	IC21						

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C-26 (a)

EVW-300 (UC) EVW-300P (EK)

C-25 (a)

C-2

C-4

F-3

E-7

H-2

FL1 F-2

\*D4

D5

E 1

IC1

\* IC2

\*IC13 C-4

IC14 E-3

\*IC15 D-3

\*IC16 D-2

IC17 E-2

IC18 A-5

IC19 A-4 IC20 C-1

IC21 C-3

IC22 D-4

\*L10

\*L11

L12

\*L13

L14

\*L20

\*Q1

\*Q2

Q4

E-5

E-5

E-6

B-6

B-1

E-6

I - 6

I - 5

J-2

\*Q15

\*Q16 \*Q17

\*Q18

Q19

Q20

\*Q21 \*Q22

\*Q23

\*Q24

H-4

F-2

F-2

G-1

G-2

G-2

H-2

H-2

B-6

C-6

RV1 J-4

J-4

I - 4

H-4

H-4

H-4

RV2

RV3

RV4

RV5

RV6

RV7

RV8



## 注意:

1. DC 電圧はデジタル電圧計による値。

No Mark: BARS side

2. 波形写真, 及び DC 電圧は下記条件での測定。

・グレースケールチャートを撮像し、波形モニターにて、ビデオ出力の白レベルが100IRE になる様にレンズ絞りをセットする。

• OUTPUT : BARS • GAIN : 0dB

• WHITE BAL : PRE • SHUTTER : OFF

#### NOTE:

1. All voltage are DC. measured with a digital voltmeter.

No Mark: BARS side

2. All waveforms are taken and DC voltage is measured in condition below.

 Shoot the grayscale chart. Ajust lens iris so that a white level is 100IRE on the waveform monitor.

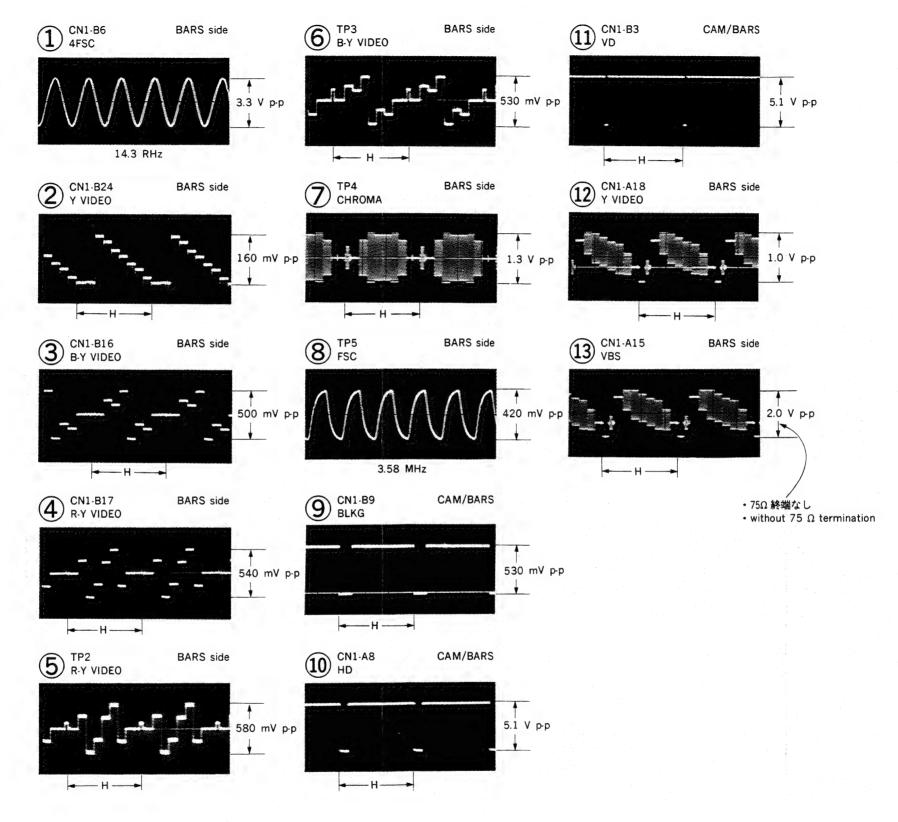
• OUTPUT

: BARS

• GAIN • WHITE BAL : OdB : PRE

• SHUTTER

: OFF





## 注意:

1. DC 電圧はデジタル電圧計による値。

No Mark: BARS side

2. 波形写真, 及び DC 電圧は下記条件での測定。

・グレースケールチャートを撮像し、波形モニターにて、ビデオ出力の白レベルが700 mV になる様にレンズ絞りをセットする。

• OUTPUT : BARS • GAIN : 0dB

• WHITE BAL : PRE • SHUTTER : OFF

#### NOTE:

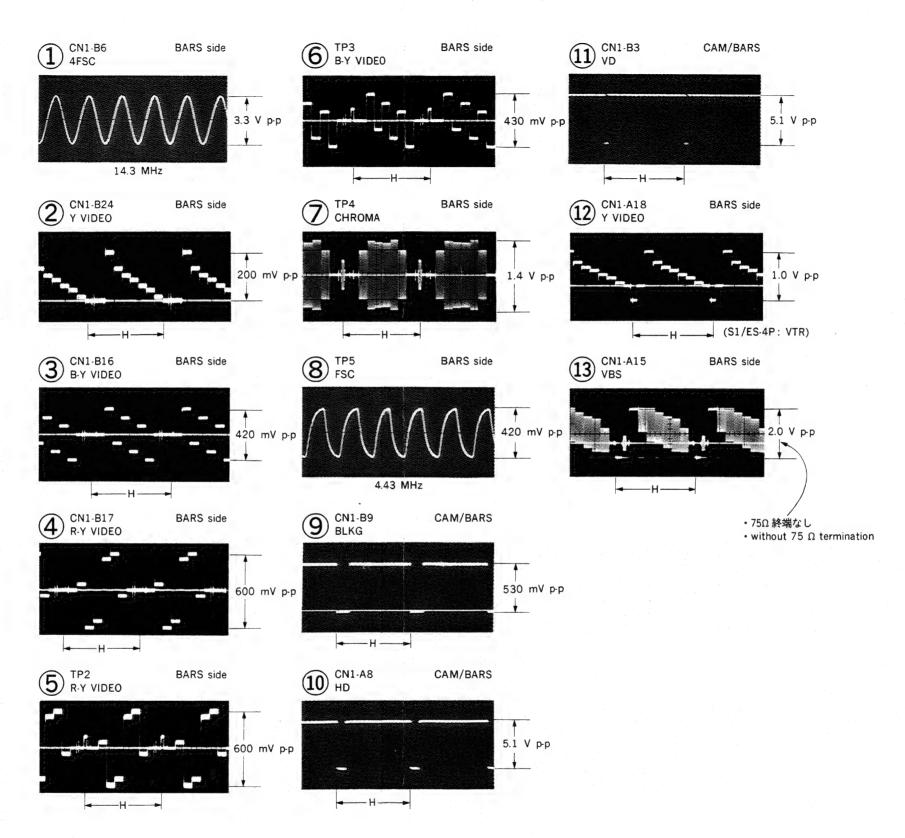
1. All voltage are DC measured with a digital voltmeter.

No Mark: BARS side

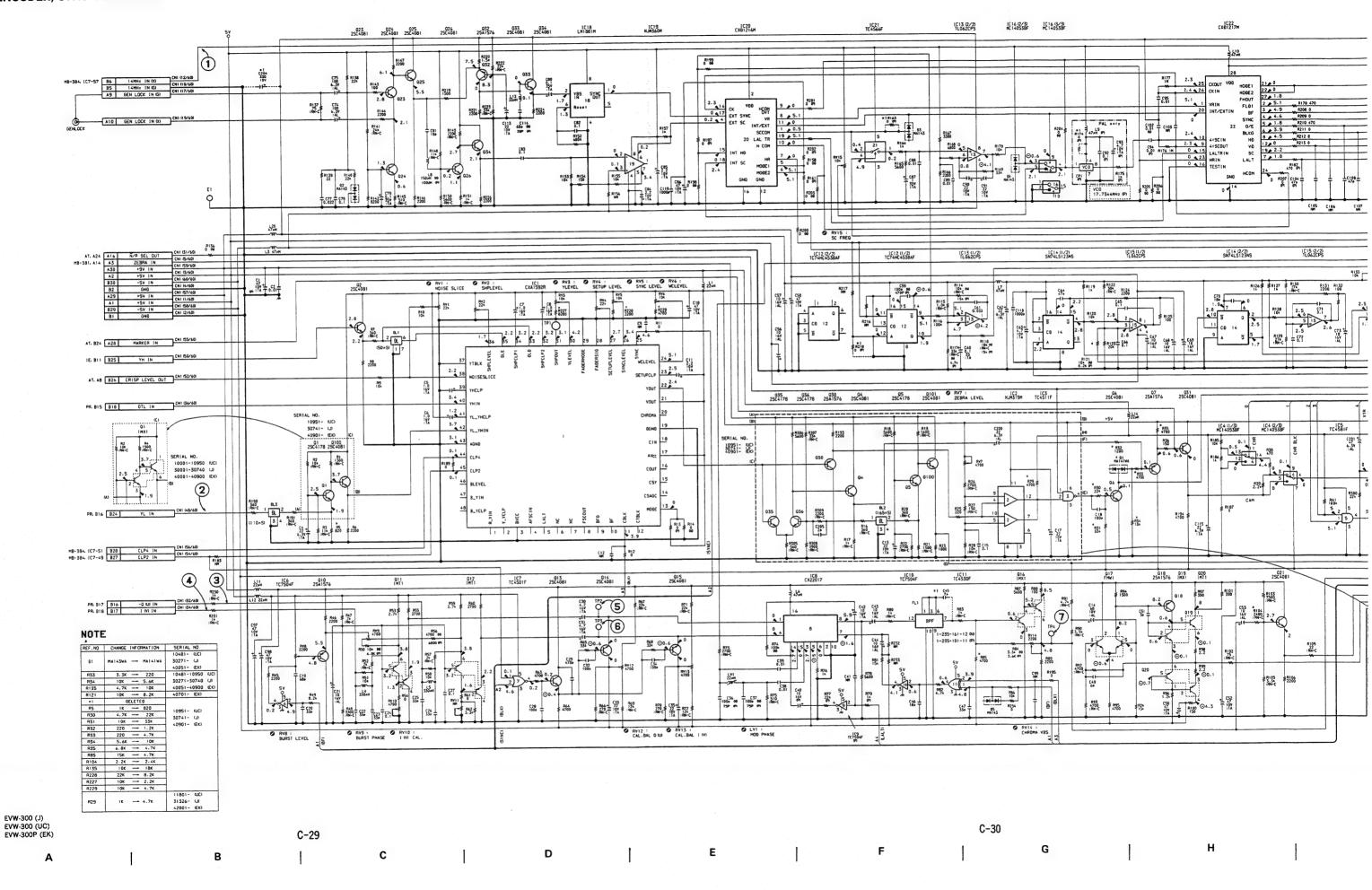
2. All waveforms are taken and DC voltage is measured in condition below.

• Shoot the grayscale chart. Ajust lens iris so that a white level is 700 mV on the waveform monitor.

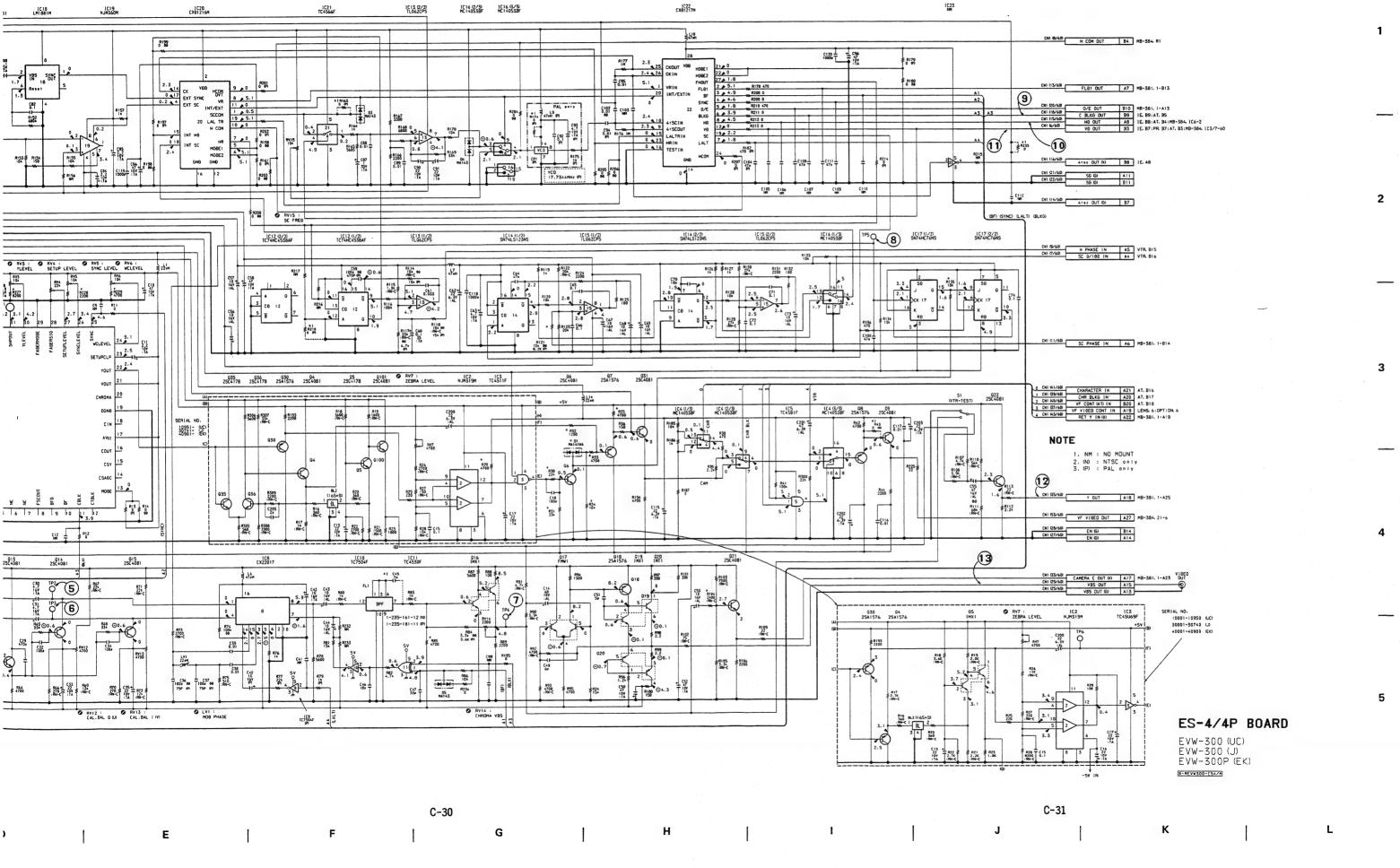
OUTPUT : BARS
GAIN : OdB
WHITE BAL : PRE
SHUTTER : OFF

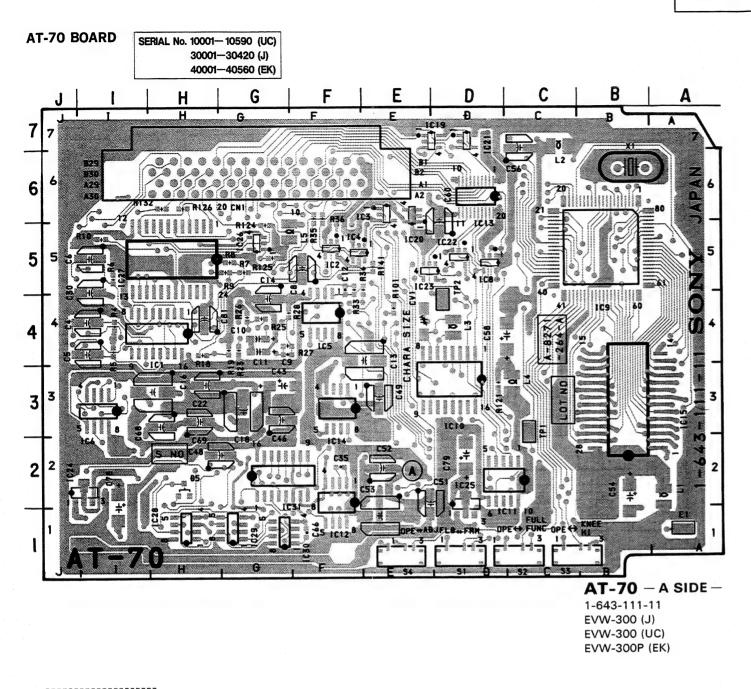


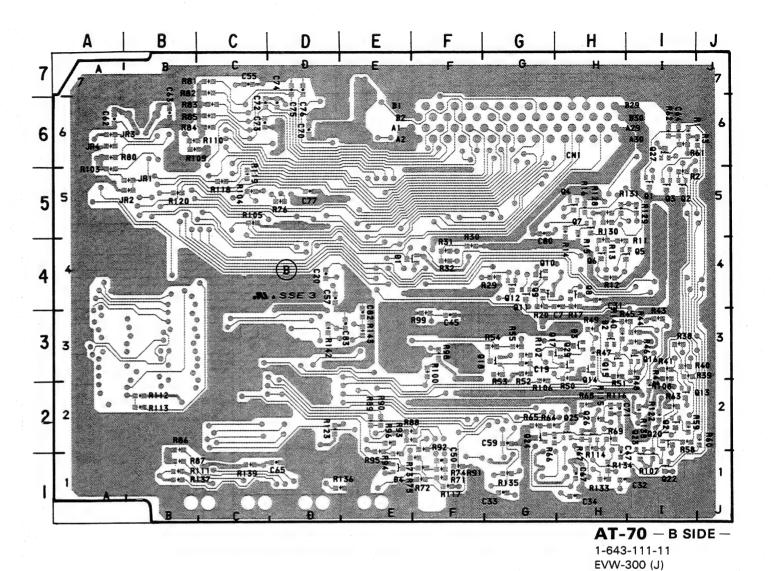
#### **ENCODER. SYNC GENERATOR**



37







AT-70 (1-643-111-11) \*: B SIDE X1 B-7 \*Q16 CN1 L2 L3 L4 L5 IC14 F-2 +Q17 G-3 1C14 F-2 1C15 A-3 1C19 D-7 1C20 E-5 IC21 D-7 IC22 D-5 D-4 C-3 F-5 \*Q18 F-3 +D1 E-4 \*Q20 \*Q21 \*Q22 1-2 \*D3 H-3 I-2 I-1 E-1 D5 H-2 \*Q23 I-2 IC22 D-5
IC23 E-5
IC24 J-2
IC25 D-2
IC26 G-5
IC27 I-5 \*Q2 \*Q3 \*Q5 \*Q6 \*Q7 I-5 I-5 \*Q24 \*Q25 G-2 H-2 E1 A-1 I-4 H-4 H-5 \*Q26 \*Q27 \*Q29 H-2 IC1 IC2 IC3 IC4 IC5 IC6 IC8 IC9 IC10 IC11 F-5 E-6 F-5 F-4 I-2 1-6 H-3 IC28 H-1 IC29 G-1 \*Q8 \*Q9 H-4 H-4 S1 G-4 G-4 C-1 C-1 S2 S3 IC30 F-1 \*Q10 \*Q11 D-5 IC31 F-1 B-4 D-3 C-1 \*Q12 G-4 **S4** E-1 +JR2 B-5 \*Q13 J-2 TP1 \*JR3 B-6 \*Q14 H-3 C-3 H-3 TP2 D-5 IC12 F-1 \*Q15 C-33

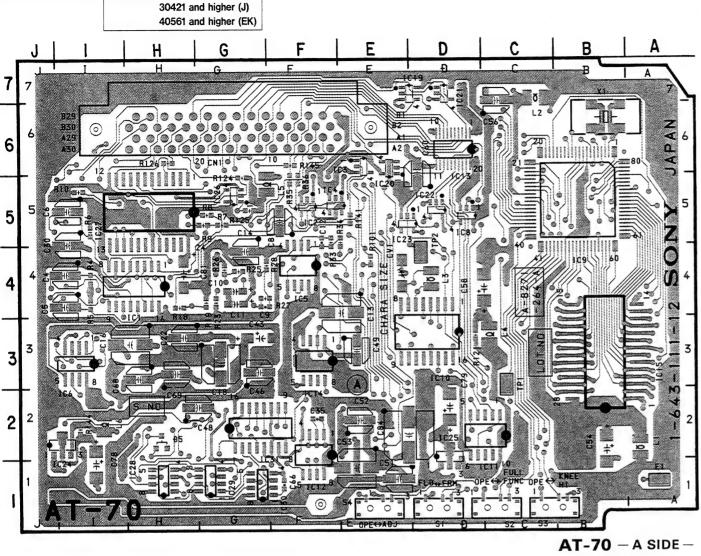
AT-70 (1-643-111-11) \*: B SIDE X1 B-7 IC14 F-2 IC15 A-3 IC19 D-7 IC20 E-5 L2 L3 L4 L5 C-6 D-4 \*Q18 F-3 \*D1 E-4 C-3 F-5 \*Q20 \*Q21 \*Q22 I - 2 I - 2 \*D3 H-3 E-1 \*D4 IC21 D-7 D5 H-2 I - 1 IC21 D-7
IC22 D-5
IC23 E-5
IC24 J-2
IC25 D-2
IC26 G-5 \*Q23 \*Q24 \*Q25 \*Q26 \*Q1 I-2 \*Q2 \*Q3 \*Q5 \*Q6 \*Q7 \*Q8 \*Q9 \*Q10 I-5 G-2 E1 A-1 I-5 I-4 H-2 IC1 IC2 IC3 IC4 IC5 IC6 IC8 IC9 IC10 H-2 \*Q27 F-5 E-6 F-5 F-4 I-2 D-5 B-4 D-3 C-1 H-4 I-6 IC27 I-5 IC28 H-1 IC29 G-1 IC30 F-1 H-5 +Q29 H-4 S1 S2 S3 H-4 G-4 D-1 C-1 IC31 F-1 \*Q11 G-4 C-1 \*Q12 \*Q13 G-4 J-2 **S4** E-1 \*JR2 B-5 \*JR3 B-6 H-3 TP1 C-3 IC11 \*JR3 \*Q14 \*Q15 H-3 TP2 D-5 IC12 F-1 C-34

EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

EVW-300 (UC)

EVW-300P (EK)

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AT-70 — B SIDE

1-643-111-12 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

AT-70 (1-643-111-12) \*: B SIDE X1 B-7 CN1 IC13 D-5 \*Q16 1 - 3 L3 L4 +Q17 IC14 F-2 D-4 IC15 A-3 C-3 +018 F-3 \*D1 E-4 L5 L6 1-2 \*D3 H-3 IC19 D-7 F-5 +Q20 \*Q21 1-2 \*D4 E-1 IC20 E-5 I-2 D5 H-2 IC21 D-7 +Q22 1-1 \*Q1 1-5 +023 1-2 IC22 D-5 \*Q2 \*Q3 \*Q5 \*Q6 I - 5 \*Q24 IC23 E-5 G-2 E1 A-1 I-5 I-4 H-2 IC25 D-2 \*Q25 \*Q26 H-1 IC1 IC26 G-5 IC2 IC3 IC4 F-5 IC27 I-5 \*Q27 I - 6 IC28 H-1 \*Q7 H-4 \*Q29 H-3 E-6 \*Q8 IC29 G-1 H-4 F-5 \*Q9 H-4 S1 D-1 F-4 IC30 F-1 I-2 D-5 S2 ICS IC31 F-1 \*Q10 G-4 C-1 1C8 1C9 \*Q11 S3 C-1 **S4** E-1 B-4 \*JR2 B-5 +012 G-4 J-2 IC10 D-3 \*JR3 B-6 \*Q13 TP1 C-3 IC11 C-1 \*Q14 H-3 TP2 IC12 F-1 L1 A-2 \*Q15 H-3 D-5

AT-70 (1-643-111-12) \*: B SIDE X1 B-7 L2 L3 \*Q16 I-3 IC13 D-5 CN1 G-6 IC14 F-2 D-4 \*Q17 L4 L5 +018 C-3 F-3 IC15 A-3 \*D1 \*Q20 I - 2 F-5 \*D3 IC19 D-7 L6 \*Q21 I-2 \*D4 IC20 1-2 E-1 IC21 D-7 \*Q22 D5 H-2 IC22 D-5 \*Q1 \*Q23 I - 2 \*Q2 \*Q3 \*Q24 G-2 IC23 E-5 I-5 E 1 \*Q25 H-2 I - 5 IC25 D-2 \*Q5 \*Q26 H-1 IC1 IC26 G-5 1-4 IC2 IC3 F-5 E-6 IC27 I-5 \*Q6 H-4 \*Q27 1-6 \*Q29 IC28 H-1 \*Q7 H-3 \*08 IC4 IC5 H-4 F-5 IC29 G-1 S1 \*09 H-4 F-4 IC30 F-1 S2 S3 S4 C - 1 \*Q10 G - 4 IC6 I-2 IC31 IC8 IC9 C-1 D-5 \*Q11 G-4 E-1 B-4 \*JR2 \*Q12 J-2 \*Q13 \*JR3 B-6 IC10 D-3 TP1 C-3 H-3 \*Q14 IC11 C-1 TP2 D-5 L1 A-2 IC12 F-1 \*Q15

EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

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AT-70 BOARD

SERIAL No. 10591 and higher (UC)

C-35

C-36

1-643-111-12

EVW-300 (UC)

EVW-300P (EK)

EVW-300 (J)



### AT-70 BOARD

### 注意:

- 1. DC 電圧はデジタル電圧計による値。
  - No Mark: CAM side
- 2. 波形写真, 及び DC 電圧は下記条件での測定。
- ・グレースケールチャートを撥像し、波形モニターにて、ビデオ出 力の白レベルが100IRE (NTSC) または700 mV (PAL) になる 様にレンズ絞りをセットする。
- OUTPUT
- : CAM
- GAIN
- : 0dB • WHITE BAL : PRE
- · SHUTTER : OFF

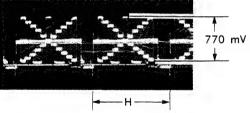
### NOTE:

- 1. All voltage are DC. measured with a digital voltmeter.
  - No Mark: CAM side
- 2. All waveforms are taken and DC voltage is measured in condition below.
  - Shoot the grayscale chart. Ajust lens iris so that a white level is 100IRE (for NTSC) or 700 mV (for PAL) on the waveforr monitor.
- OUTPUT
- : CAM • GAIN : OdB
- : PRE · WHITE BAL
- SHUTTER

CN1-B28 R PR VIDEO



: OFF



CAM side

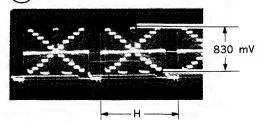
CAM side

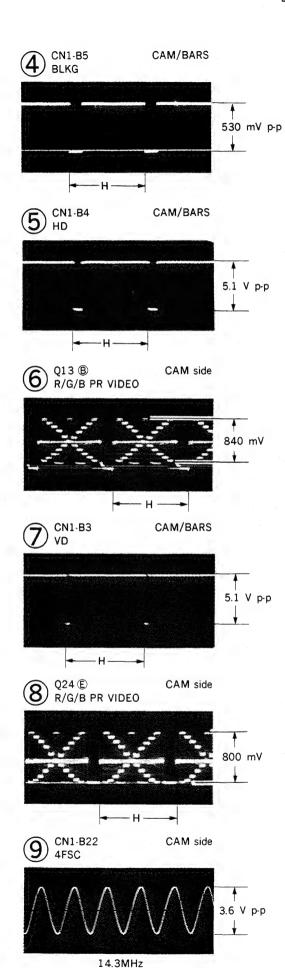
C-37

2 CN1-B26 B PR VIDEO

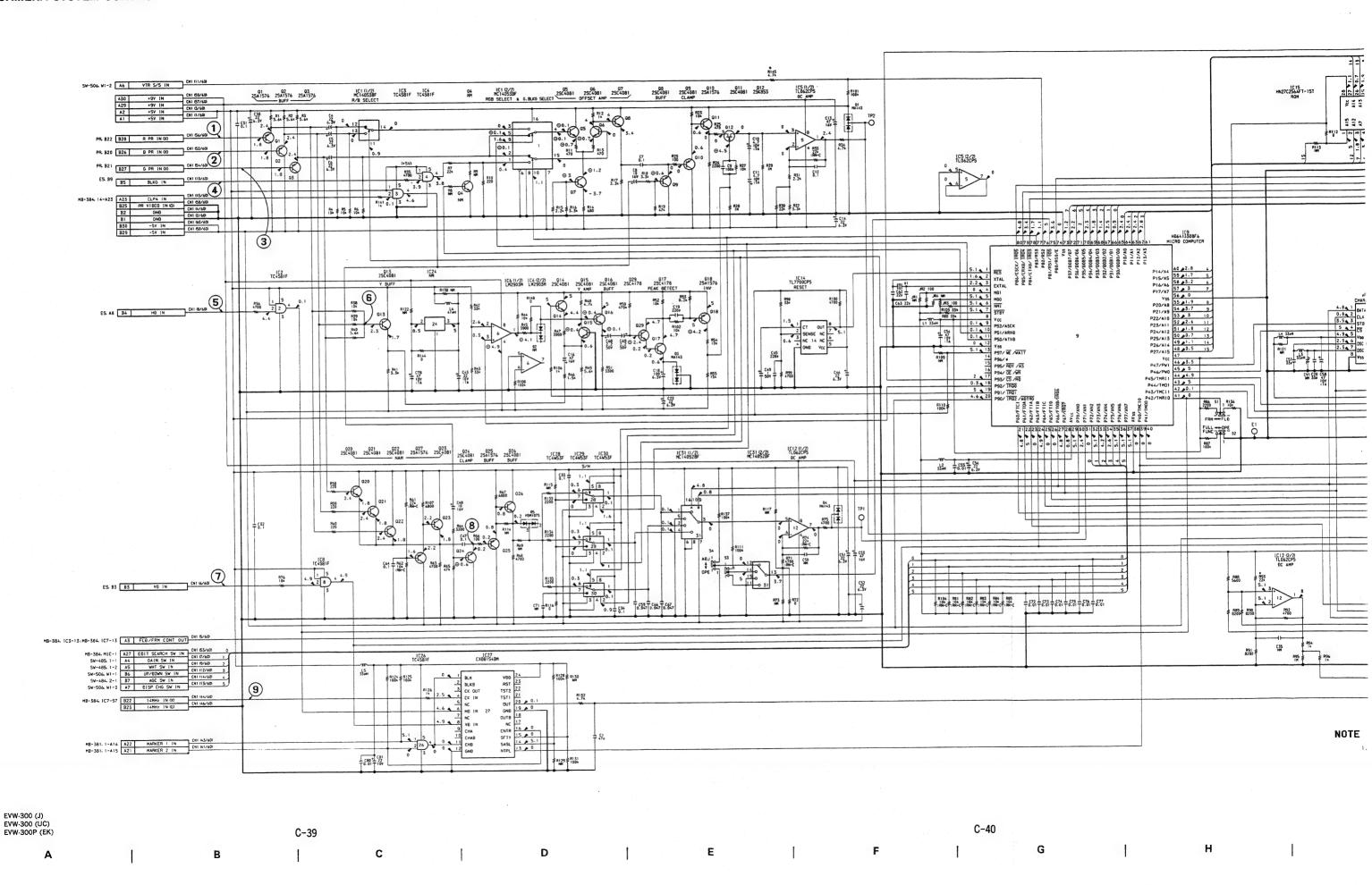


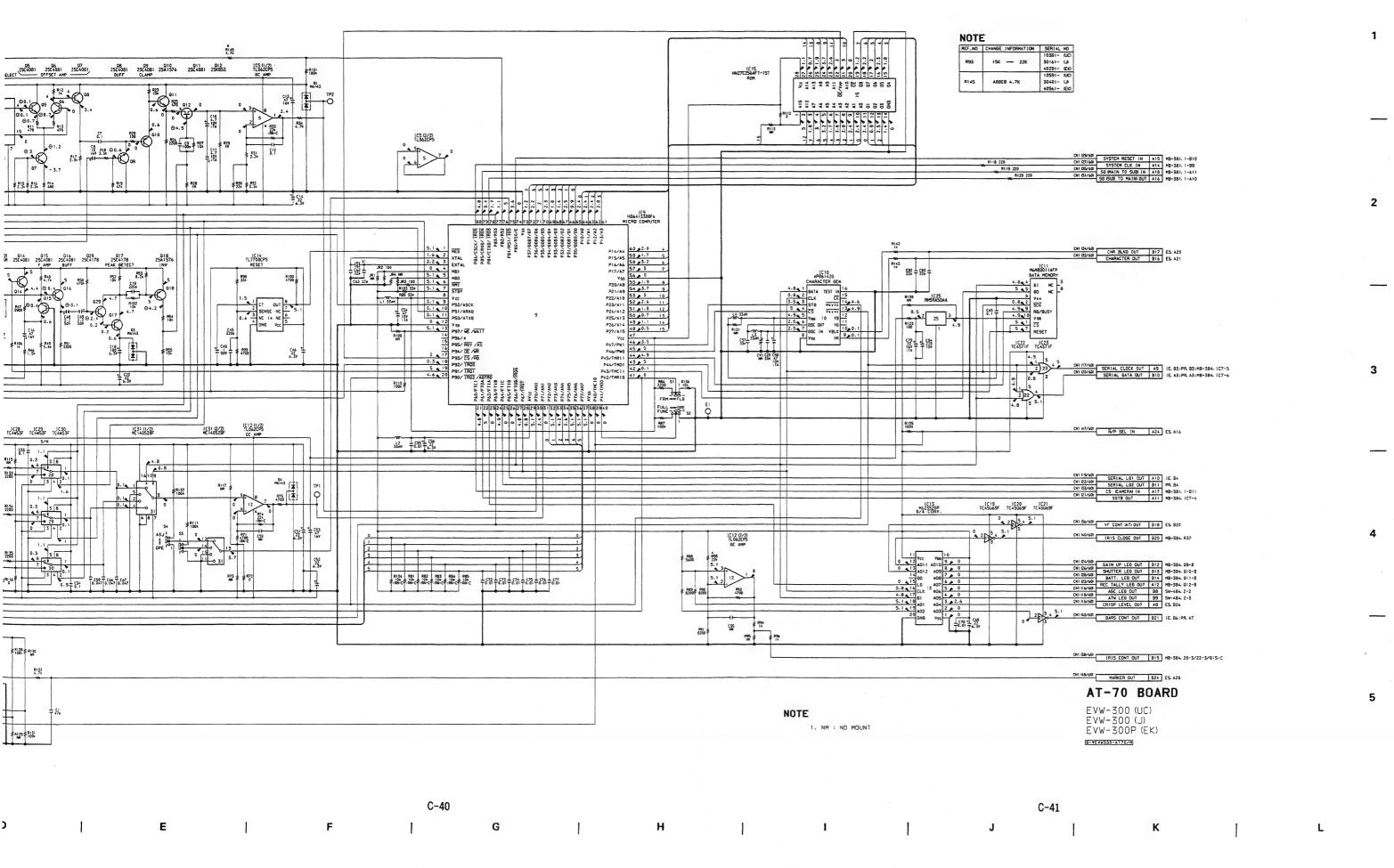
CN1-B27 G PR VIDEO





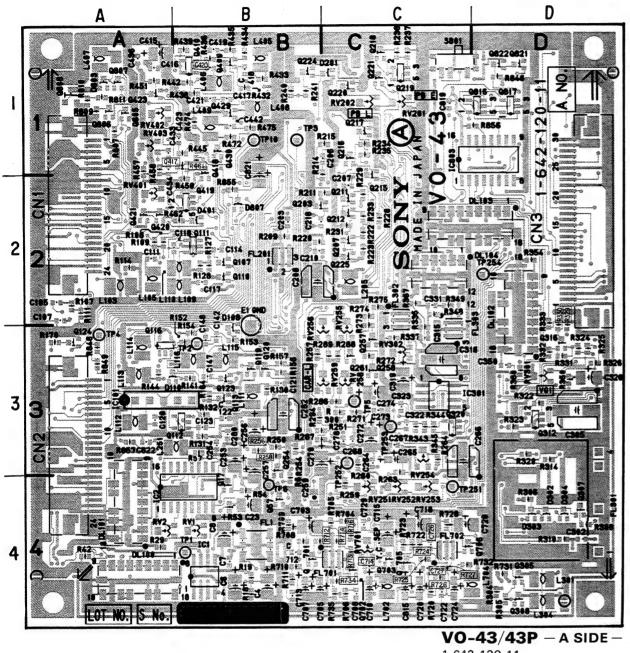
### **CAMERA SYSTEM CONTROL**





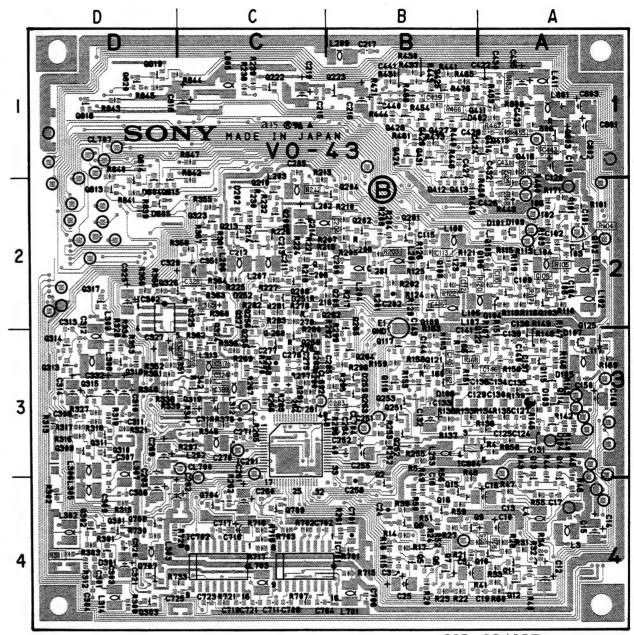
			-										
V0-43/4	13P (1-1	642-120-11	)										
*: B SI	DE		· <b>-</b>										
CN1	A-2	IC1	B-4	L304	D-4	+Q109	B-2	*Q253	B-3	Q417	B-1	RV252	C-4
CN2	A-3	IC2	A-4	*L305	D-4	Q110	B-2	Q254	B-4	Q418	B-2	RV253	C-4
CN3	D-2	IC101	A-3	*L306	D-3	Q111	B-2	*Q255	C-3	Q419	B-2	RV254	C-3
		*IC201	C-3	*L307	D-3	Q112	B-3	*Q256	C-2	Q420	A-2	RV255	C-3
DL100	A-4	IC301		*L308	D-3	Q113	B-3	Q257	C-3	Q421	A-2	RV256	B-3
DL101	A-4	*IC302	D-2	*L309	D-3	*Q114	A-3	Q258	C-3	Q423	A-1	RV258	C-3
DL102	D-2	*IC701	B-4	*L314	D-4	*Q115	A-3	*Q259	C-3	*Q424	B-1	RV259	B-3
DL103	C-2	*1C702	C-4	L405	B-1	Q116	A-3	*Q260	C-3	*Q425	B-1	RV301	D-3
DL104		10803	C-1	L406	B-1	+Q117	B-3	Q261	C-3	*Q426	B-1	RV302	C-3
		*IC804	B-3	L407	A-1	*Q118	B-3	+Q262	C-2	*Q427	B-1	RV401	A-2
*D101	A-2			L408	B-1	Q119	B-3	+Q263	B-3	<b>+Q428</b>	B-1	RV402	A-1
*D103	A-3	*L3	A-4	L409	B-1	0120	B-3	*Q264	B-3	Q429	B-1	RV403	A-1
*D104	A-3	*L4	A-4	*L411	A-1	*Q121	B-3	+Q301	D-4	Q430	B-1	RV701	C-4
*D105	A-3	*L101	A-2	+L701	B-4	+0122	B-3	<b>*Q302</b>	D-4	+0431	B-1		
*D106	B-3	*L102	A-2	L702	C-4	0123	B-3	*Q303	D-4	Q701	B-4	S801	C-1
*D107	A-3	L103	A-2	*L703	C-4	Q124	A-3	Q305	D-4	Q702	C-4		
D108	B-2	*L104	A-2	L704	D-4	+0125	A-3	Q307	D-4	Q703	C-4	TH701	C-4
*D109	A-2	L105	A-2	*L801	A-1	+0201	B-2	Q308	D-4	+0704	C-4		
D110	B-3	*L107	B-2	*L805	C-1	*Q202	B-2	+0309	D-3	0705	C-4	TP1	B-4
D201	C-1	*L108	B-2	2000	• •	Q203	B-2	*Q310	D-3	Q706	C-4	TP2	B-3
*D201	C-2	L109	B-2	+Q2	B-4	*Q204	B-2	+0311	D-3	+0708	D-4	TP3	B-1
*D252	C-2	L110	B-2	+Q5	B-4	+Q205	B-2	Q312	D-3	+0709	C-4	TP4	A-3
*D251	C-2	L111	B-3	*Q6	B-4	*Q206	C - 2	*Q313	D-3	*Q803	A-1	TP5	C-3
*D252	B-3	L112	A-3	*Q7	B-4	0207	C-2	*Q314	D-3	Q805	A-1	TP6	B-4
*D301	D-4	L113	A-3	*Q8	B-4	*Q208	C-2	*Q315	D-3	Q806	A-1	TP10	B-1
D302	D-4	L114	A-3	*Q9	B-4	*Q209	C-2	Q316	D-3	Q807	A-1	TP251	C-4
D302	D-4 D-4	L115	B-3	+010	A-4	+0210	C-2	*Q317	D-2	Q808	A-1	TP252	C-3
	-	L115	B-3	*Q11	A-4	0211	C-2	*Q318	D-3	*Q813	D-2	TP253	C-3
D304	D-4	*L117	A-3	*Q12	A-4	Q211	C-2	*Q319	C-3	*Q814	D-2	TP254	D-2
D401	B-2	*L117	B-2	*Q12	A-3	*Q212	C-2	Q320	C-3	*Q815	D-2	11204	V 2
*D402	B-1			*Q14	A-3	+0214	C-2	*Q323	C-2	0816	D-1		
D803	A-1	*L202	B-2	*Q14	B-4	Q214 Q215	C-1	*Q324	C - 3	Q817	D-1		
*D804	D-2	*L203	C-2			Q215	C-1	+Q324 +Q325	C-2	*Q818	D-1		
*D805	D-2	*L204	B-2	*Q16	B-4	0217	C-1	*Q325	D-2	*Q819	D-1		
D807	B-2	L205	C-2	Q17	B-4				C-2	*Q820	D-1		
		*L206	C-2	Q57	B-4	Q218	C-1	*Q327		Q821			
E1	B-2	*L207	C-2	*Q101	A-2	Q219	C-1	Q409	B-1		D-1 D-1		
		*L209	B-1	*Q102	A-2	Q220	C-1	Q410	B-1	Q822	D-1		
FLI	B-4	L251	B-3	*Q103	A-2	Q221	C-1	*Q411	A-1	DUI	B-4		
FL201		*L252	C-3	*Q104	A-2	*0222	C-1	*Q412	B-2	RV1			
FL301		+L253	B-3	*Q105	A-2	*Q223	B-1	*Q413	B-2	RV2	A-4		
FL303		L301	D-4	*Q106	B-2	Q224	B-1	*Q414	A-1	RV201	C-1		
FL701		*L302	D-4	Q107	B-2	Q225	C-2	*Q415	A-1	RV202	C-1		
FL702	C-4	*L303	D-4	*Q108	B-2	*Q252	B-3	*Q416	A-1	RV251	C-4		

SERIAL No. 10001-11150 (UC) 30001-30955 (J) 40001-41050 (EK)



1-642-120-11

EVW-300 (J) EVW-300 (UC) EVW-300P (EK)



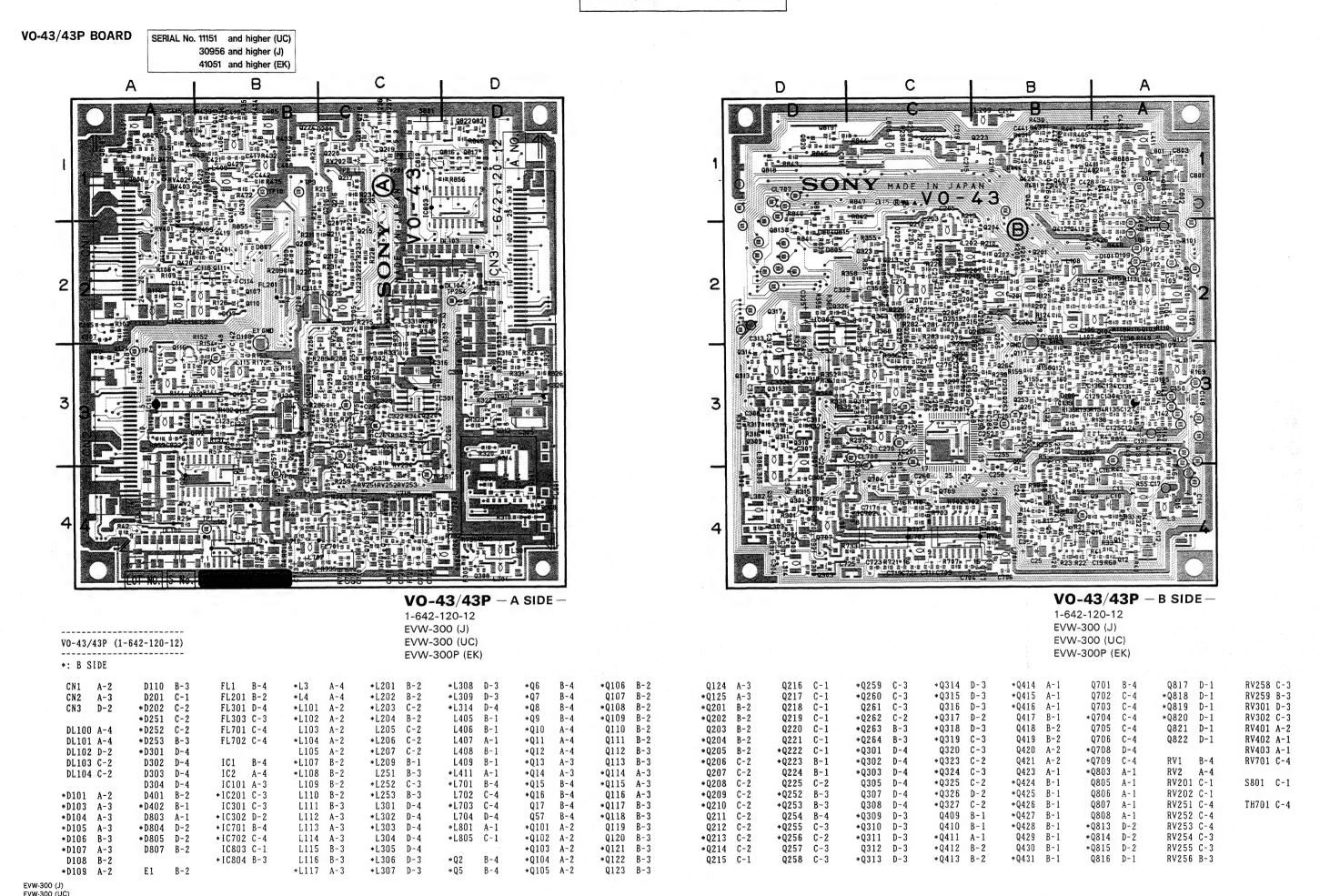
で囲まれているリファレンス番号 (例, C108 など) は, 基板上に シルク印刷されていません。

Note;

• Reference number enclosed with a frame (e, g, C108 etc.) in the board illustration above is not silkscreen-printed on an actual board.

VO-43/43P - B SIDE -

1-642-120-11 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)



C-46

EVW-300P (EK)

C-45



### VO-43 BOARD

### 注意:

1. DC 電圧はデジタル電圧計による値。

No Mark: REC mode ( ) Mark : PB mode

2. 波形写真、及び DC 電圧は下記条件での測定。

• OUTPUT : BARS • GAIN : 0dB • WHITE BAL : PRE • SHUTTER : OFF

### NOTE:

1. All voltage are DC. measured with a digital voltmeter.

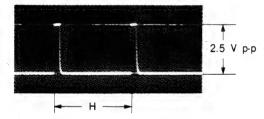
No Mark: REC mode () Mark: PB mode

2. All waveforms are taken and DC voltage is measured in

condition below.

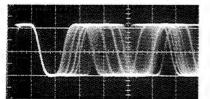
 OUTPUT : BARS • GAIN : OdB · WHITE BAL : PRE SHUTTER : OFF

CN2-1, CN3-17 REC/PB mode COMPOSITE SYNC



CN1-11, TP10

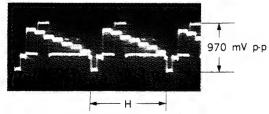
REC mode



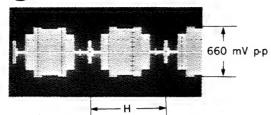
H: 50 ns/DIV V: 200 mV/DIV

3 CN2-15, CN3-4 CR Y

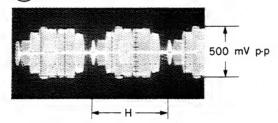
PB mode



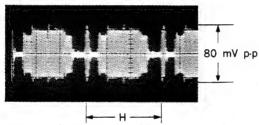
CN1-13, CN3-23 REC/PB mode CN1-13, CN1 CAMERA C



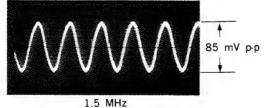
**5** S C PB mode



6 CN3-19 REC C RF REC mode

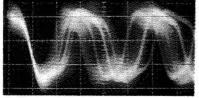


CN1-9
REC AFM RF REC mode



8 CN1-5 REC VAA RF

REC mode



H: 50 ns/DIV V: 50 mV/DIV

## **VO-43P BOARD**

### 注意:

1. DC 電圧はデジタル電圧計による値。

No Mark: REC mode () Mark: PB mode

2. 波形写真, 及び DC 電圧は下記条件での測定。

 OUTPUT : BARS • GAIN : 0dB • WHITE BAL : PRE SHUTTER : OFF

### NOTE:

1. All voltage are DC. measured with a digital voltmeter.

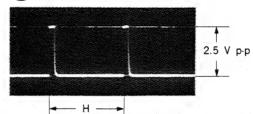
No Mark: REC mode ( ) Mark: PB mode

2. All waveforms are taken and DC voltage is measured in

condition below. OUTPUT : BARS : 0dB GAIN

· WHITE BAL : PRE : OFF SHUTTER

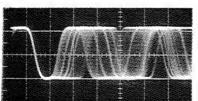
CN2-1, CN3-17 REC/PB mode CN2-1, CN3-1/ KE COMPOSITE SYNC



REC mode

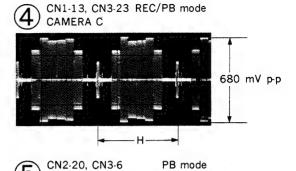
PB mode

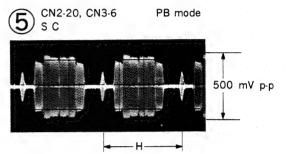
2 CN1-11, TP10 REC Y PF



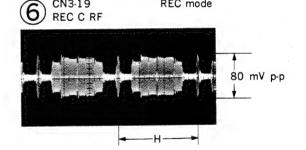
H: 50 ns/DIV V: 200 mV/DIV

3 CN2-15, CN3-4 CR Y

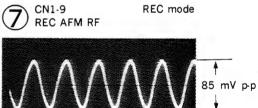




REC mode

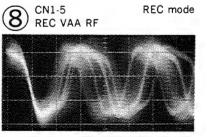


CN3-19



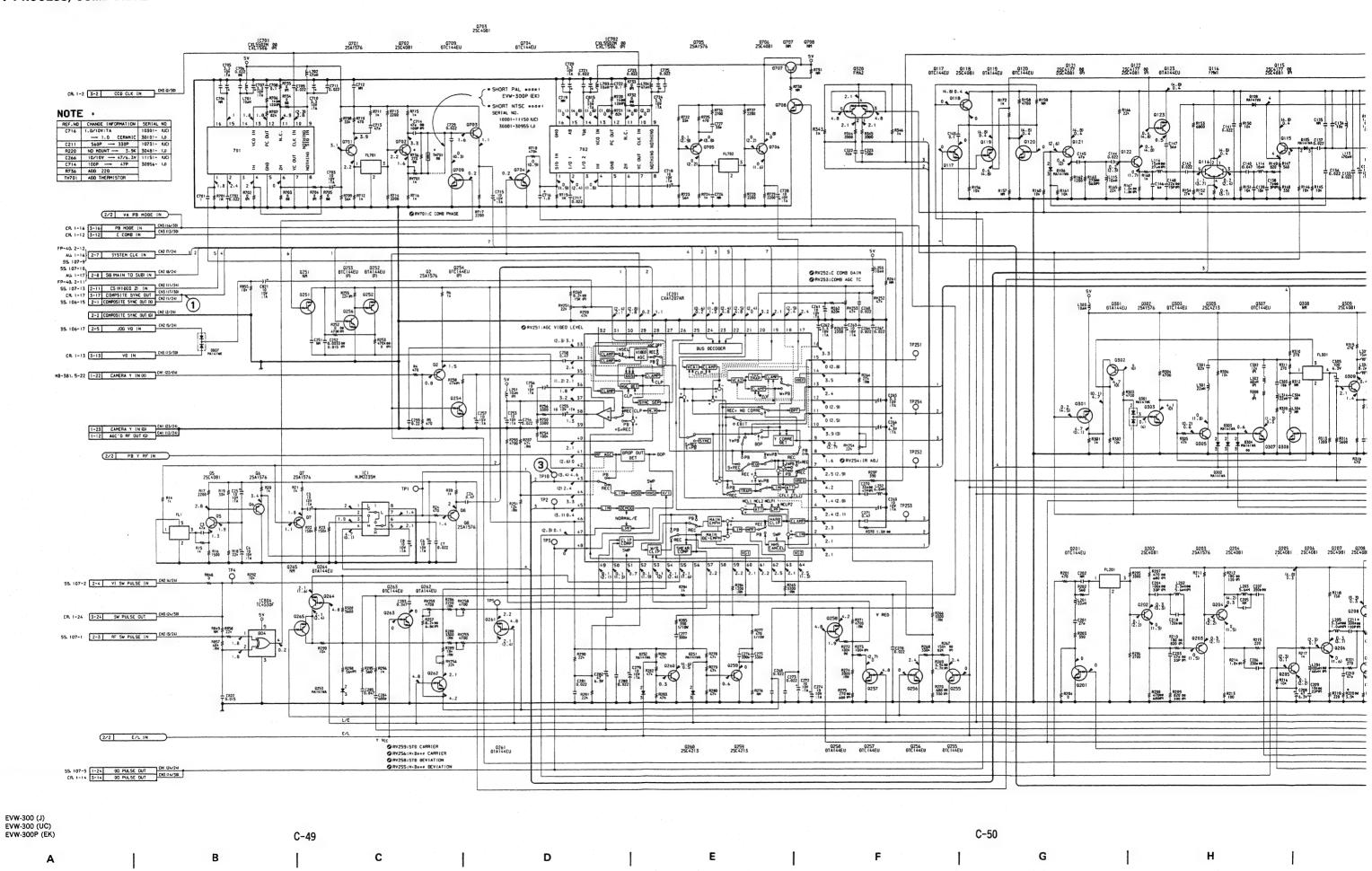
1.5 MHz

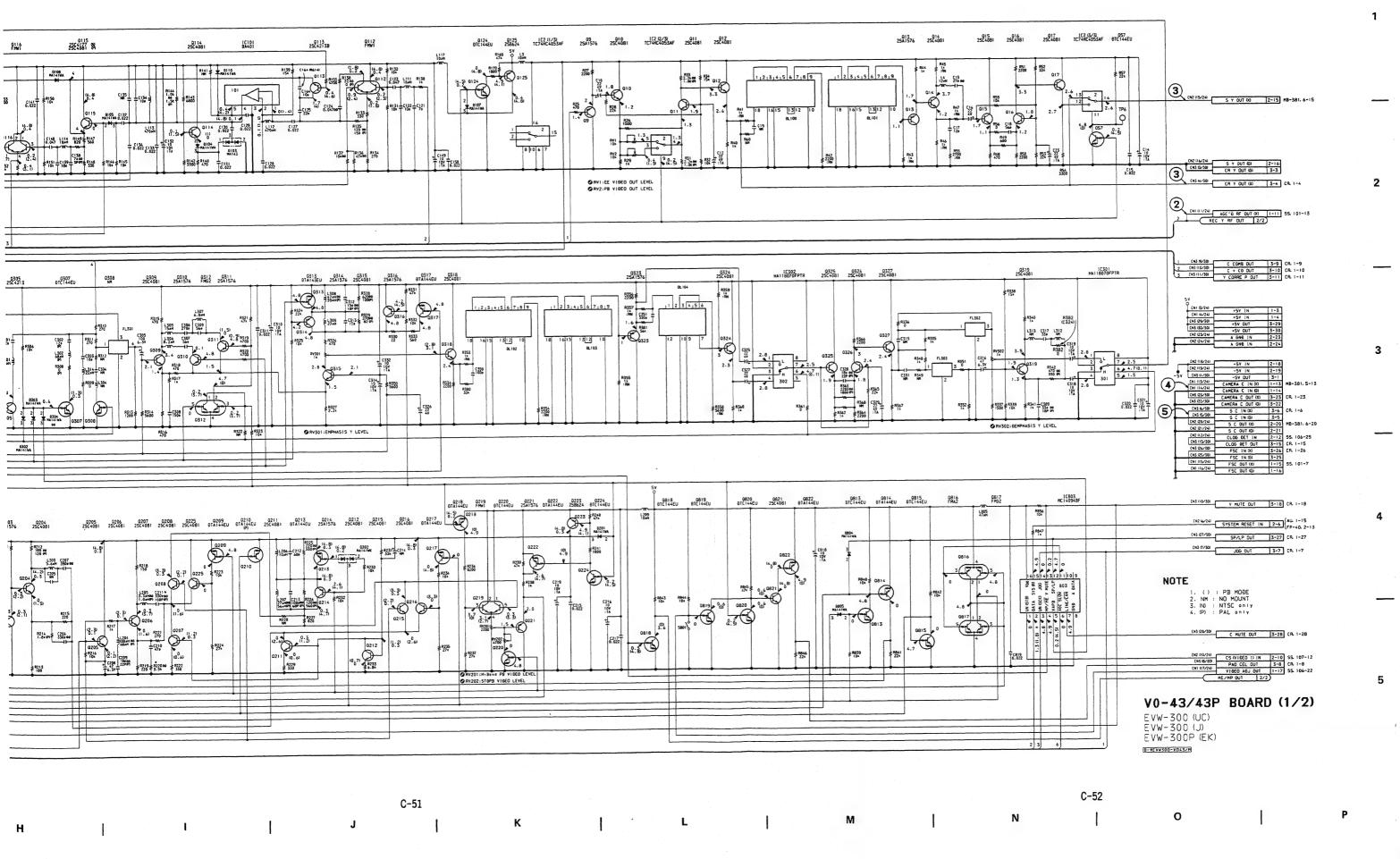
REC mode



H: 50 ns/DIV V: 50 mV/DIV

### Y PROCESS, COMB FILTER





1

2

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5

R

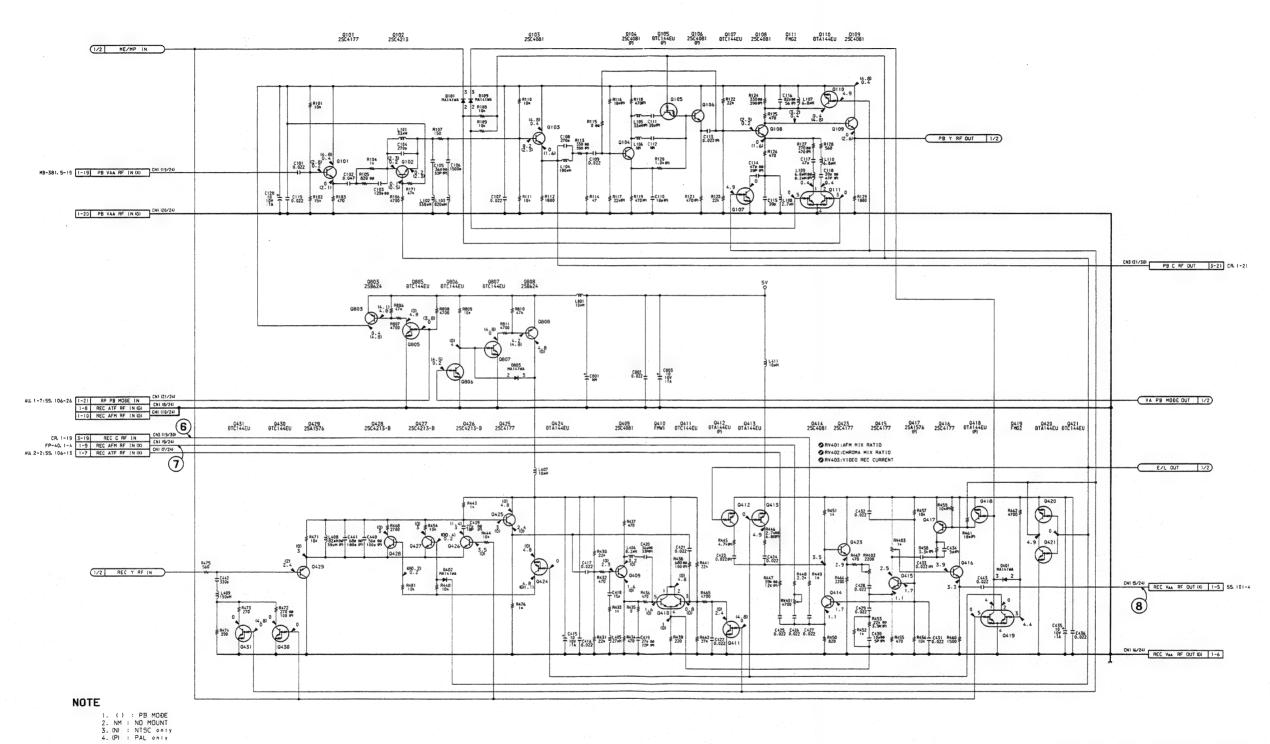
С

.

E

G

Н



VO-43/43P BOARD (2/2)

EVW-300 (UC) EVW-300 (J) EVW-300P (EK)

> EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

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1

-

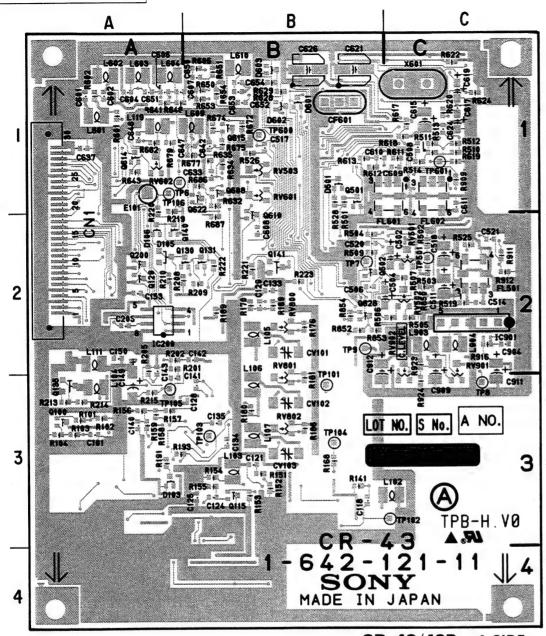
L

M

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SERIAL No. 10001—11150 (UC) 30001—30955 (J) 40001—41050 (EK)



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**CR-43/43P** - A SIDE - 1-642-121-11 EVW-300 (J)

EVW-300 (UC)

EVW-300P (EK)

3 CR-43 SONY MADE IN JAPAN **CR-43/43P** — B SIDE —

1-642-121-11 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

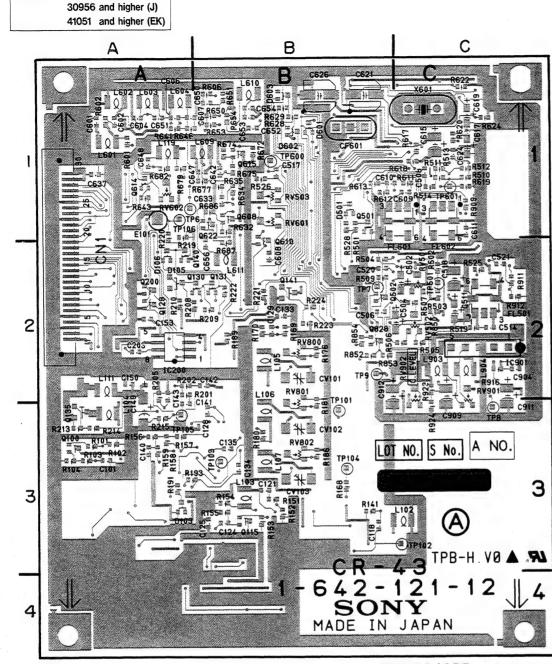
### CR-43/43P (1-642-121-11)

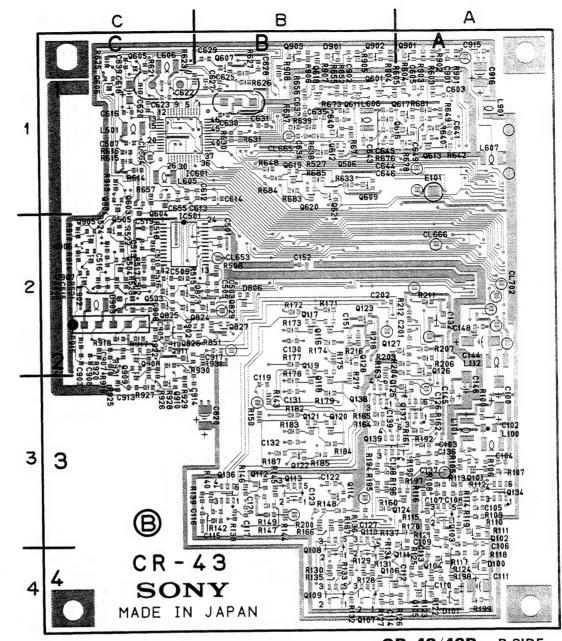
OR 43/431 (I														
*: B SIDE														
CF601 B-1	D106 A-2	FL501 C-2	L103 B-3	L604 A-1	Q100 A-3	*Q112 B-3	*Q124 B-3	*Q137 A-3	*Q506 B-1	*Q612 B-1	*Q823 B-2	+Q905 C-2	RV602 A-1	TP101 B-3
	D501 B-1	FL601 C-2	L104 A-3	*L605 C-1	*Q101 A-3	*Q113 B-3	*Q125 B-3	*Q138 B-3	*Q601 B-1	*Q613 A-1	*Q824 C-2	*Q906 C-2	RV800 B-2 RV801 B-2	TP102 C-3 TP103 B-3
CN1 A-2	D601 B-1	FL602 C-2	L105 B-2	*L606 C-1	*Q102 A-3	*Q114 B-3	*Q126 A-2	*Q139 B-3	*Q603 C-1 *Q604 C-1	Q614 A-1 Q615 B-1	*Q825 C-2 *Q826 C-2	*Q907 C-2 *Q908 C-2	RV801 B-2 RV802 B-3	TP103 B-3
CV101 P 2	D602 B-1 D603 B-1	IC200 A-2	L106 B-2 L107 B-3	*L607 A-1 *L608 B-1	*Q103 A-3 *Q104 A-4	Q115 B-3 +Q116 B-2	*Q127 B-2 *Q128 B-2	Q140 B-2 Q141 B-2	*Q604 C-1	*Q616 B-1	*Q827 B-2	*Q909 C-2	RV901 C-2	TP105 A-3
CV101 B-2 CV102 B-3	*D806 B-2	*IC501 C-2	L107 B-3	L609 B-1	*Q105 A-4	*Q117 B-2	Q129 A-2	Q200 A-2	*Q606 C-1	*Q617 B-1	Q828 B-2	*Q910 C-3	RV902 C-2	TP106 A-1
CV103 B-3	*D901 B-1	*IC601 C-1	*L112 A-2	L610 B-1	*Q106 B-4	*Q118 B-3	Q130 A-2	Q501 B-1	*Q607 B-1	*Q618 B-1	*Q829 B-2	*Q911 C-2		TP501 C-2
	*D902 C-2	IC901 C-2	L119 A-1	L611 A-1	*Q107 B-4	*Q119 B-2	Q131 B-2	Q502 B-2	Q608 B-1	*Q619 B-1	*Q901 A-1	DVEOR C R	TP6 A-1 TP7 B-2	TP600 B-1 TP601 C-1
*D100 A-4	*D903 C-2	1400 4 0	*L501 C-1	*L901 A-1	*Q108 B-4	*Q120 B-3	*Q132 A-2	*Q503 C-2	*Q609 B-1 Q610 B-2	*Q620 B-1 *Q621 B-1	*Q902 B-1 *Q903 B-1	RV502 C-2 RV503 B-1	TP8 C-3	1P001 C-1
*D101 A-4 D103 A-3	E101 A-1	*L100 A-3 *L101 A-3	L601 A-1 L602 A-1	*L902 C-2 L903 C-2	*Q109 B-4 *Q110 B-3	*Q121 B-3 *Q122 B-3	*Q134 A-3 Q135 A-3	*Q504 C-2 *Q505 C-2	*Q611 B-1	Q622 B-1	*Q904 C-1	RV601 B-1	TP9 B-2	X601 C-1
D105 A-2		L102 C-3	L603 A-1	L904 C-2	*Q111 B-4	*Q123 B-2	*Q136 B-3							

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### CR-43/43P BOARD

SERIAL No. 11151 and higher (UC)





CR-43/43P - A SIDE -1-642-121-12

EVW-300 (J) EVW-300 (UC) CR-43/43P - B SIDE -1-642-121-12 EVW-300 (J) EVW-300 (UC)

121-12)				EVW-300P							EVW-300	P (EK)	
1106 A-2	F1.501 C-2	L103 B-3	L604 A-1	Q100 A-3	*Q112 B-3	*Q124 B-3	*Q137 A-3	*Q506 B-1	*Q612 B-1	*Q823 B-2	*Q905 C-2	RV602 A-1	TP101 B-3
			*1.605 C-1	*0101 A-3	*0113 B-3	*Q125 B-3	*Q138 B-3	*Q601 B-1	*Q613 A-1	•			TP102 C-3
				•	•	*0126 A-2	*Q139 B-3	*Q603 C-1	Q614 A-1	*Q825 C-2	*Q907 C-2		TP103 B-3
	1 2002 0 2			*	•		Q140 B-2	*Q604 C-1	Q615 B-1	*Q826 C-2	*Q908 C-2	RV802 B-3	TP104 B-3
	IC200 A-2			•			0141 B-2	*Q605 C-1	*Q616 B-1	*Q827 B-2	*Q909 C-2	RV901 C-2	TP105 A-3
				•	•		. *		*Q617 B-1	Q828 B-2	*Q910 C-3	RV902 C-2	TP106 A-1
						•	•	*0607 B-1	*Q618 B-1	*Q829 B-2	*Q911 C-2		TP501 C-2
								•	*0619 B-1	*0901 A-1		TP6 A-1	TP600 B-1
	10901 6-2						• -	•	•	•	RV502 C-2	TP7 B-2	TP601 C-1
0903 C-2	1400 4 0			•	•				• • • • • • • • • • • • • • • • • • • •	•		TP8 C-3	
				•	•			•	•	•			X601 C-1
E101 A-1	*L101 A-3	L602 A-1		•	•		*Q000 U-Z	*6011 D-1	Q022 D-1	+6204 C I	NYOUI DI	113 02	N001 0 1
	L102 C-3	L603 A-1	L904 C-2	*Q111 B-4	*Q123 B-2	*Q136 B-3							
	106 A-2 501 B-1 601 B-1 602 B-1 603 B-1 806 B-2 901 B-1 902 C-2	106 A-2 FL501 C-2 501 B-1 FL601 C-2 601 B-1 FL602 C-2 602 B-1 603 B-1 IC200 A-2 806 B-2 *IC501 C-2 901 B-1 *IC601 C-1 902 C-2 IC901 C-2 903 C-2 *L100 A-3 *L101 A-1 *L101 A-3	106 A-2 FL501 C-2 L103 B-3 501 B-1 FL601 C-2 L104 A-3 601 B-1 FL602 C-2 L105 B-2 602 B-1 L106 B-2 603 B-1 IC200 A-2 L107 B-3 806 B-2 *IC501 C-2 L111 A-2 901 B-1 *IC601 C-1 *L112 A-2 1902 C-2 IC901 C-2 L119 A-1 1903 C-2 *L100 A-3 L601 A-1 1101 A-1 *L101 A-3 L602 A-1	106 A-2 FL501 C-2 L103 B-3 L604 A-1 501 B-1 FL601 C-2 L104 A-3 *L605 C-1 601 B-1 FL602 C-2 L105 B-2 *L606 C-1 602 B-1 L106 B-2 *L607 A-1 603 B-1 IC200 A-2 L107 B-3 *L608 B-1 806 B-2 *IC501 C-2 L111 A-2 L609 B-1 1901 B-1 *IC601 C-1 *L112 A-2 L610 B-1 1902 C-2 IC901 C-2 L119 A-1 L611 A-1 1903 C-2 *L100 A-3 L601 A-1 *L902 C-2 1101 A-1 *L101 A-3 L602 A-1 L903 C-2	106 A-2 FL501 C-2 L103 B-3 L604 A-1 Q100 A-3 501 B-1 FL601 C-2 L104 A-3 *L605 C-1 *Q101 A-3 601 B-1 FL602 C-2 L105 B-2 *L606 C-1 *Q102 A-3 602 B-1 L106 B-2 *L607 A-1 *Q103 A-3 603 B-1 IC200 A-2 L107 B-3 *L608 B-1 *Q104 A-4 806 B-2 *IC501 C-2 L111 A-2 L609 B-1 *Q105 A-4 901 B-1 *IC601 C-1 *L112 A-2 L610 B-1 *Q106 B-4 902 C-2 IC901 C-2 L119 A-1 L611 A-1 *Q107 B-4 903 C-2 *L100 A-3 L601 A-1 *L902 C-2 *Q109 B-4 101 A-1 *L101 A-3 L602 A-1 L903 C-2 *Q110 B-3	121-12)  106 A-2 FL501 C-2 L103 B-3 L604 A-1 Q100 A-3 *Q112 B-3   501 B-1 FL601 C-2 L104 A-3 *L605 C-1 *Q101 A-3 *Q113 B-3   601 B-1 FL602 C-2 L105 B-2 *L606 C-1 *Q102 A-3 *Q114 B-3   602 B-1 L106 B-2 *L607 A-1 *Q103 A-3 Q115 B-3   603 B-1 IC200 A-2 L107 B-3 *L608 B-1 *Q104 A-4 *Q116 B-2   806 B-2 *IC501 C-2 L111 A-2 L609 B-1 *Q105 A-4 *Q117 B-2   901 B-1 *IC601 C-1 *L112 A-2 L610 B-1 *Q106 B-4 *Q117 B-2   902 C-2 IC901 C-2 L119 A-1 L611 A-1 *Q107 B-4 *Q118 B-3   903 C-2 *L501 C-1 *L901 A-1 *Q108 B-4 *Q120 B-3   *L100 A-3 L601 A-1 *L902 C-2 *Q109 B-4 *Q121 B-3   1101 A-1 *L101 A-3 L602 A-1 L903 C-2 *Q110 B-3 *Q122 B-3   903 C-2 *Q110 B-3 *Q122 B-3   904 C-2 R010 B-3 *Q122 B-3   905 C-2 *Q110 B-3 *Q122 B-3   907 C-2 *Q110 B-3 *Q122 B-3   908 C-2 *Q110 B-3 *Q122 B-3   909 C-2 *	121-12)	121-12)	EVW-300P (EK)    106	EVW-300P (EK)    106	EVW-30OP (EK)    106	EVW-300P (EK)    106   A-2   EL501   C-2   Cl03   B-3   C604   A-1   Cl00   A-3   A-	EVW-300P (EK)    106   A-2   FL501   C-2   L103   B-3   L604   A-1   Q100   A-3   A-1   A-

EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

-----

C-61

C-62



注意:

CR-43 BOARD

1. DC 電圧はデジタル電圧計による値。

No Mark: REC mode ( ) Mark : PB mode

2. 波形写真, 及び DC 電圧は下記条件での測定。

•OUTPUT : BARS • GAIN : 0dB • WHITE BAL : PRE • SHUTTER : OFF

### NOTE:

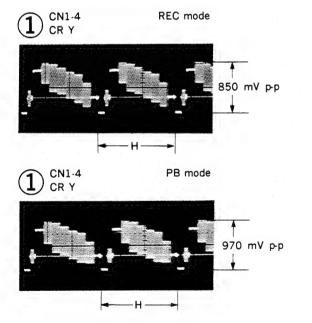
1. All voltage are DC. measured with a digital voltmeter.

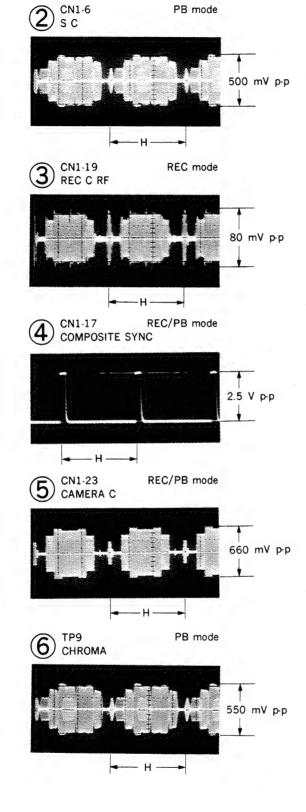
No Mark: REC mode () Mark: PB mode

2. All waveforms are taken and DC voltage is measured in

condition below.

: BARS • OUTPUT : OdB GAIN · WHITE BAL : PRE : OFF • SHUTTER





# **CR-43P BOARD**

### 注意:

1. DC 電圧はデジタル電圧計による値。

No Mark: REC mode

( ) Mark : PB mode

2. 波形写真, 及び DC 電圧は下記条件での測定。

• OUTPUT : BARS : 0dB • GAIN • WHITE BAL : PRE • SHUTTER : OFF

### NOTE:

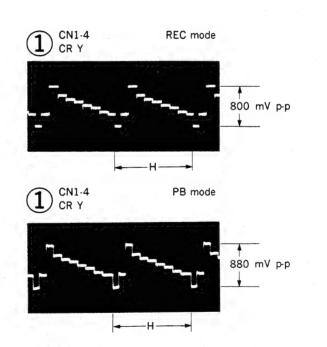
1. All voltage are DC. measured with a digital voltmeter.

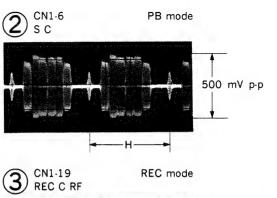
No Mark: REC mode ( ) Mark: PB mode

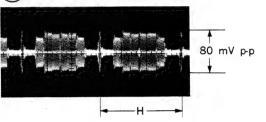
2. All waveforms are taken and DC voltage is measured in

condition below.

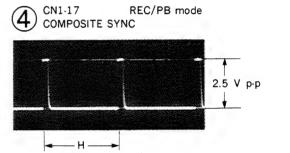
• OUTPUT : BARS : 0dB • GAIN : PRE · WHITE BAL • SHUTTER : OFF

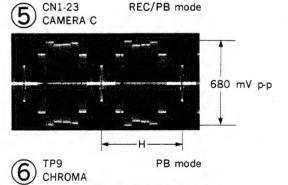


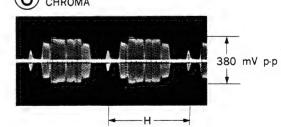




REC/PB mode







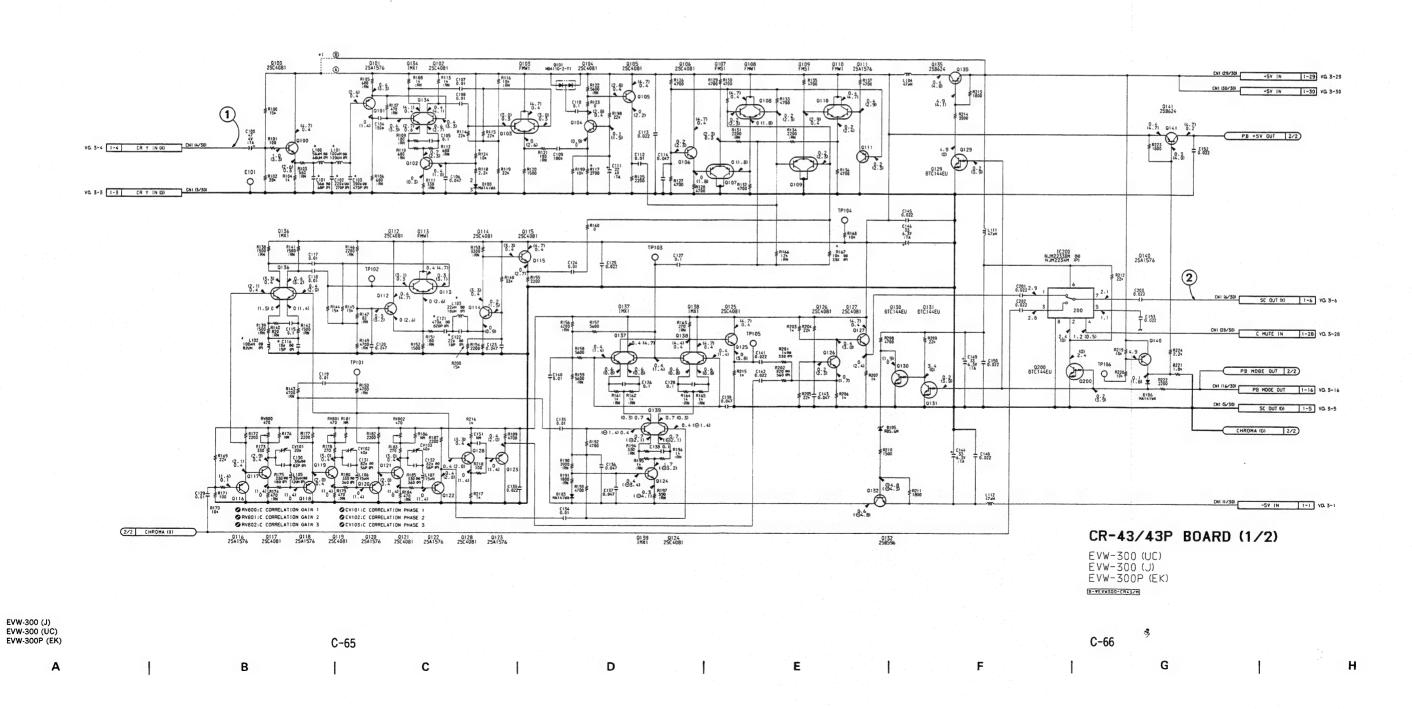
### **CHROMA PROCESS**

NOTE

1. (): PB MODE
2. NM: NO MOUNT
3. (N): NTSC only
4. (P): PAL only

NOTE .

REF.NO	CHANGE	INFORMATION	SERIAL	NO
	CHANCE	CONNECTION	10301-	(UC)
+1	(A)	(B)	30101-	(J)
	•	6	40001-	(EK)
C101	47P	68P		
C102	100P	→ 270P	]	
C103	330P	→ 470P	7	
C116	18P	→ 15P		
C121	470P	→ 820P		
C122	22P	→ 18P	40801-	(EK)
L100	39UH	68UH	]	
L101	68UH	120UH	1	
L102	100UH	- 82UH	7	
L103	22UH	18UH	1	
R167	10K	33K	1	-
R117	10K	2.7K	10481-	(UC)
R124	2.7K	→ 10K	30271-	(J)



CR-43/43P (1/2)

9105 25C4081 Q110 Q111 FMW1 25A1576 ■ R137 4700 0107 FMS1 0108 FMW1 0106 25C4081 (2.8) (2.7) 0.4 0.05 R129 = R130 4700 = 4700 ₹ 8135 4700 ₹R126 4700 0141 25B624 ₹ 8214 3900 R225 1600 0.32 0.022 0129 9TC 144EU C145 0.022 0140 25A1576 + C144 T6.3V T 0.022 CR-43/43P BOARD (1/2) 0139 0124 1MX1 25C4081 0132 250596 EVW-300 (UC) EVW-300 (J) EVW-300P (EK) B-#EVW300-CR43/M

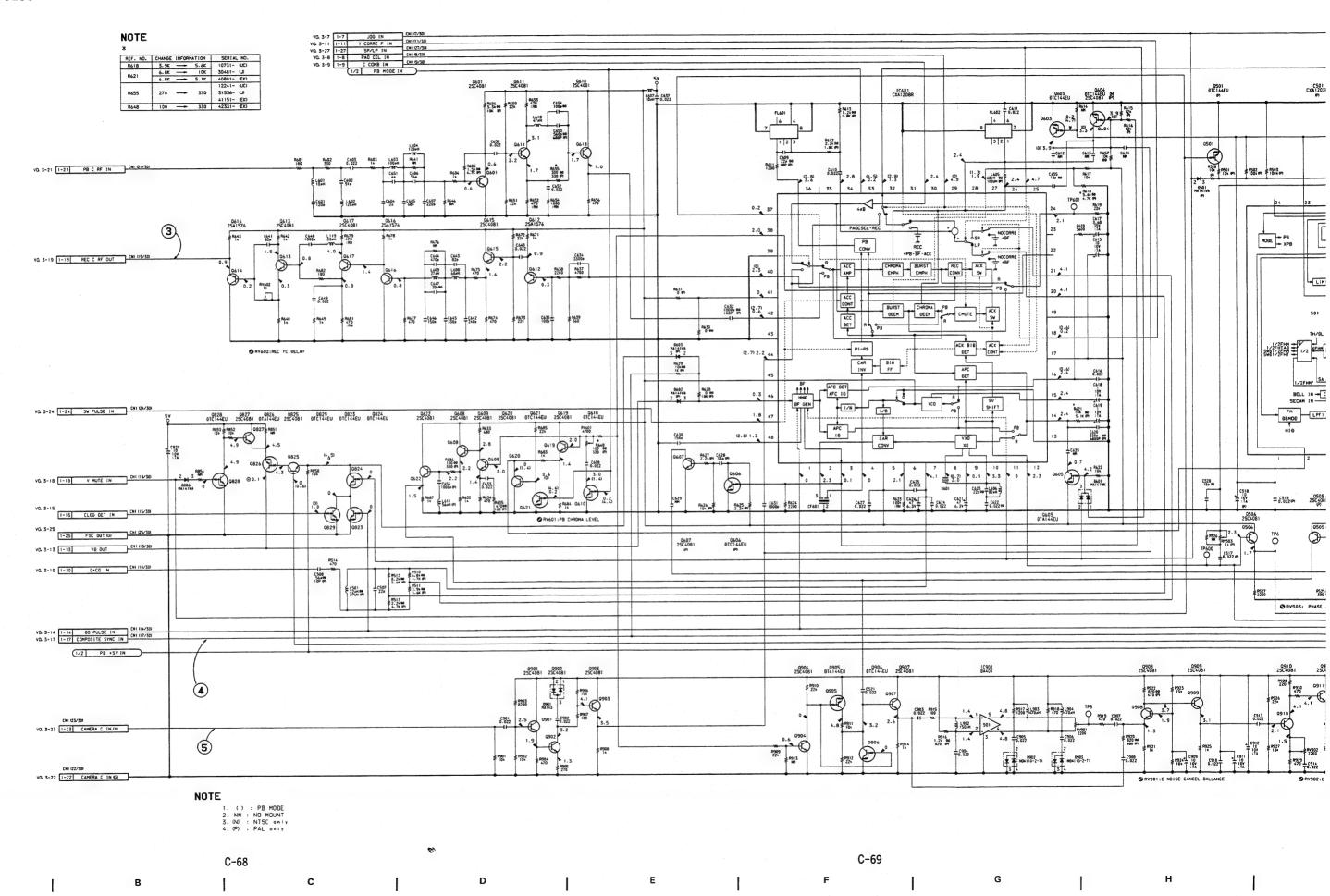
C-66

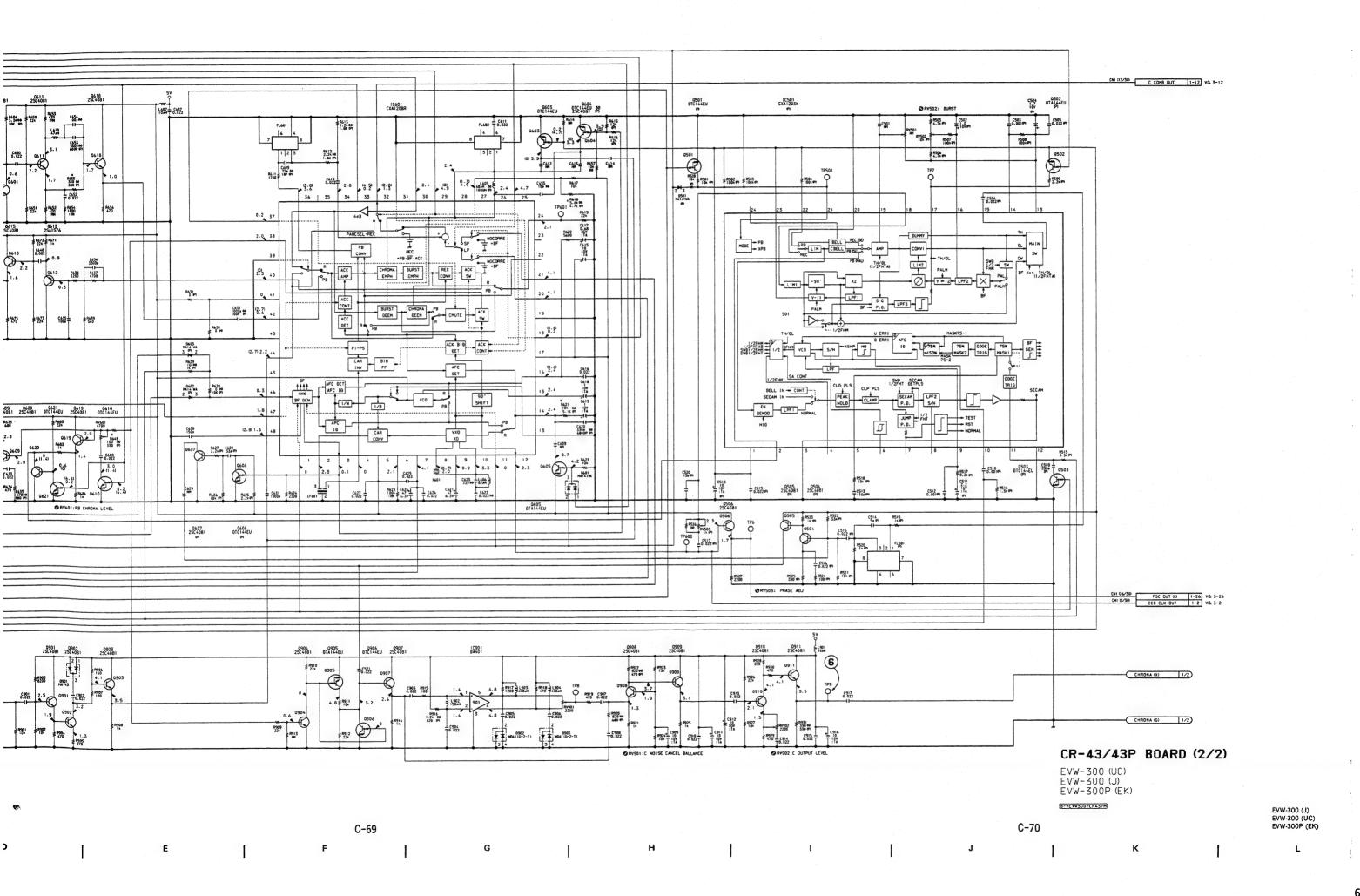
3/43P (1/2)

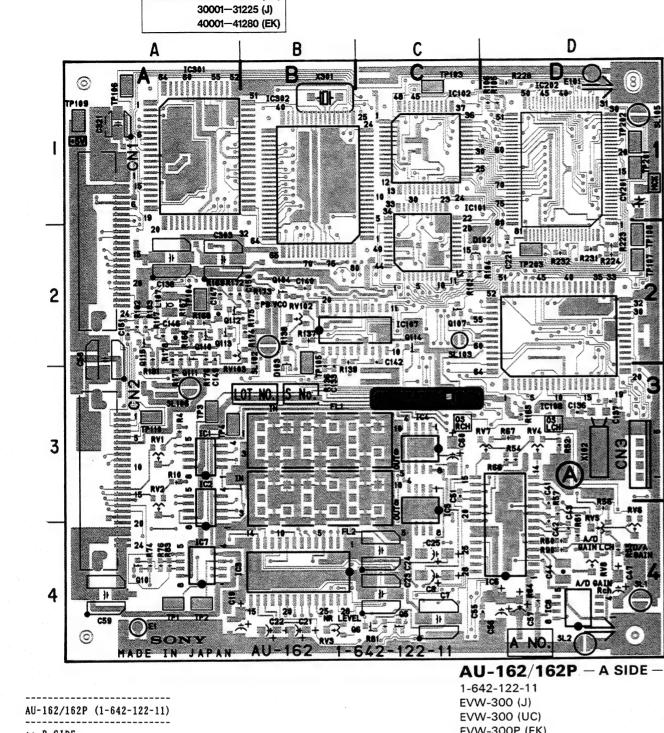
CR-43/43P (1/2)

C-67

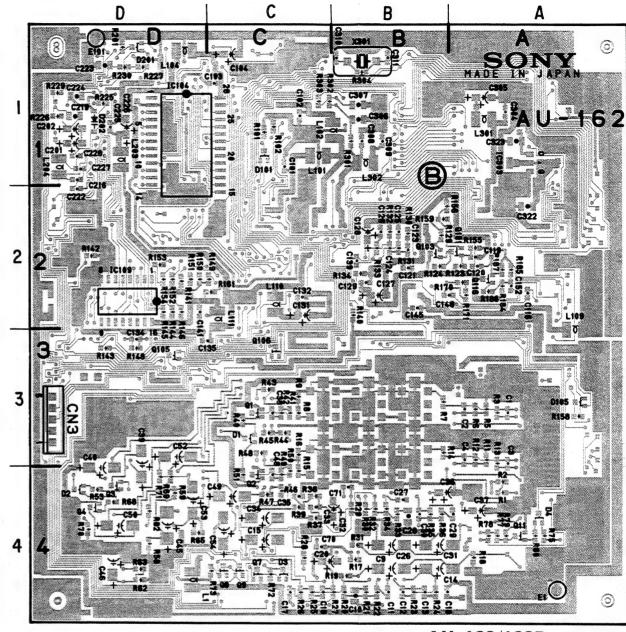
### **CHROMA PROCESS**







	AU 100		(1 040 10									42-122 V-300				
	AU-162	/162P	(1-642-12	(2-11)							EVV	V-300	(UC)			
	*: B S	I DE														
	CN1	A-1	*D201	D-1	IC6	D-4	*L1	D-4	*Q2	C-4	0107	C-2	RV8	D-4	TP109	A-1
	CN2	A-3	*D202	D-1	107	A-4	*L101	C-1	*Q3	D-4	Q110	A-2	RV102	B-2	TP110	A-3
	CN3	D-3			IC8	D-4	*L102	C-1	*Q4	D-4	0112	A-2	RV103		TP201	
	5,545		E1	A-4	IC101		+L104	D-1	Q5	C-4	Q113	A-2	200		TP202	
	CV201	D-1	E101	D-1	IC102		L107	A-2	Q6	B-4	Q115	A-2	TP1	A-4	TP203	
					*IC104		*L109	A-2	+Q7	C-4	*Q116	A-2	TP2	A-4	1.200	
	*D1	C-3	FL1	B-3	IC107		*L110	C-2	+Q8	C-4	4110		TP3	A-3	X102	D-3
	*D2	D-4	FL2	B-4	IC108		*L1?1	C-2	+Q9	C-4	RV1	A-3	TP4	A-3	X301	B-1
	*D3	C-4		٠.	*IC109		+L203	D-1	Q10	A-4	RV2	A-3	TP103		NOOI	
	*D4	A-4	IC1	A-3	IC202		*L204	D-1	+Q11	A-4	RV3	B-4	TP104			
	*D101	C-1	IC2	A-3	IC301		*L301	A-1	*Q101	A-2	RV4	D-3	TP105			
	D102	C-2	IC3	A-4	IC302		*L302	B-1	*Q103	B-2	RV5	D-4	TP106	-		
	D103	B-3	IC4	C-3	*IC303		2302		*Q105	D-3	RV6	D-4	TP107			
	*D105	A-3	IC5	C-3			*Q1	C-3	*Q106	C-3	RV7	C-3	TP108			
EVW-300	0 (J)	•	100	•			Ψ-		4200				11 100	,		
EVW-30	0P (EK)							C-71								

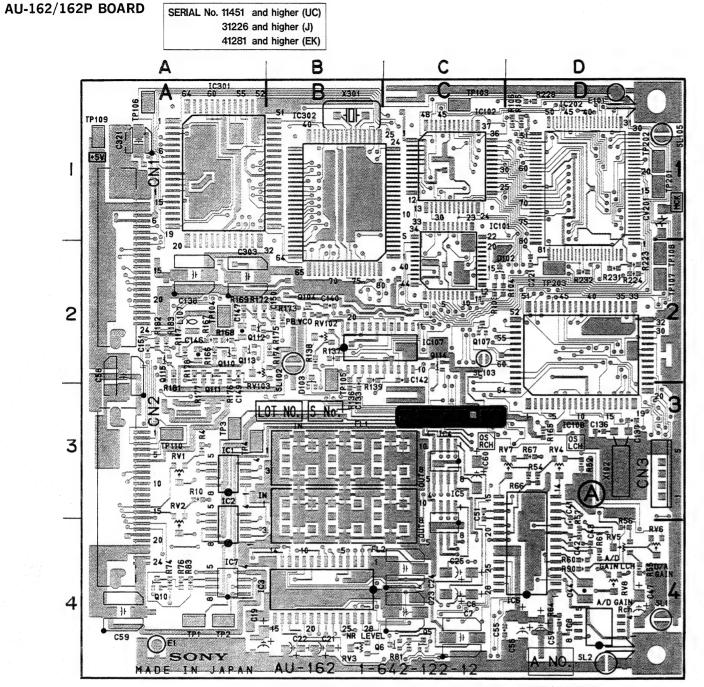


AU-162/162P - B SIDE -

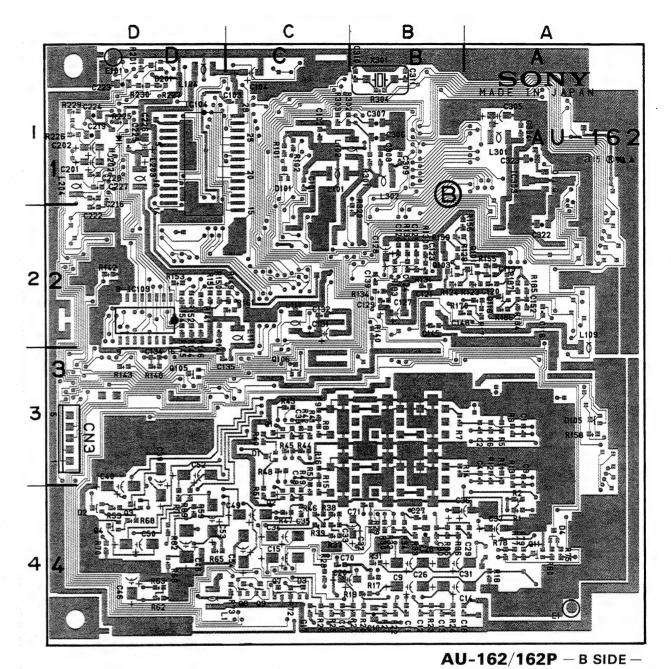
1-642-122-11 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

AU-162/162P BOARD

SERIAL No. 10001-- 11450 (UC)

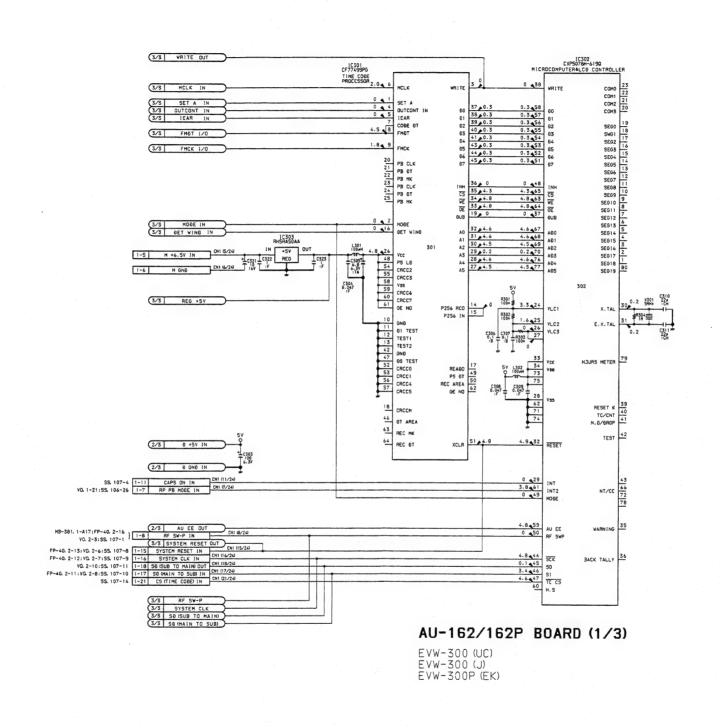


AU-162/162P — A SIDE — 1-642-122-12 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)



										1-642-122	-12				
		(4 040 46							E	EVW-300 (	J)				
AU-162	/162P	(1-642-12	(2-12)							EVW-300 (	UC)				
*: B S	I DE								E	EVW-300P	(EK)				
CN1	A-1	*D201	D-1	IC6	D-4	*L1	D-4	*Q2	C-4	Q107	C-2	RV8	D-4	TP109	A-1
CN2	A-3	*D202	D-1	IC7	A-4	*L101	C-1	*Q3	D-4	Q110	A-2	RV102	B-2	TP110	
CN3	D-3			IC8	D-4	*L102	C-1	*Q4	D-4	Q112	A-2	RV103	A-3	TP201	
		E1	A-4	IC101	C-1	*L104	D-1	Q5	C-4	Q113	A-2			TP202	
CV201	D-1	E101	D-1	IC102	C-1	L107	A-2	Q6	B-4	Q115	A-2	TP1	A-4	TP203	D-2
				*IC104	D-1	*L109	A-2	*Q7	C-4	*Q116	A-2	TP2	A-4		
*D1	C-3	FL1	B-3	IC107	C-2	*L110	C-2	*Q8	C-4			TP3	A-3	X102	D-3
*D2	D-4	FL2	B-4	IC108	D-3	*L111	C-2	*Q9	C-4	RV1	A-3	TP4	A-3	X301	B-1
*D3	C-4			*IC109	D-2	*L203	D-1	Q10	A-4	RV2	A-3	TP103	C-1		
*D4	A-4	IC1	A-3	IC202	D-1	*L204	D-1	*Q11	A-4	RV3	B-4	TP104	A-2		
*D101	C-1	IC2	A-3	IC301	A-1	*L301	A-1	*Q101	A-2	RV4	D-3	TP105	B-3		
D102	C-2	IC3	A-4	IC302	B-1	*L302	B-1	*Q103	B-2	RV5	D-4	TP106	A-1		
D103	B-3	IC4	C-3	*IC303	A-1			*Q105	D-3	RV6	D-4	TP107	D-2		
*D105	A-3	IC5	C-3			<b>+Q1</b>	C-3	*Q106	C-3	RV7	C-3	TP108	D-2	Ε	VW-30

### TIME CODE PROCESS



注意:

1. DC 電圧はデジタル電圧計による値。

No Mark: EE mode

2. DC 電圧は下記条件での測定。

• OUTPUT

: BARS : 0dB

• GAIN • WHITE BAL : PRE

• SHUTTER : OFF

NOTE:

1. All voltage are DC. measured with a digital voltmeter.

No Mark: EE mode

2. All DC voltage is measured in condition below.

• OUTPUT

: BARS • GAIN : 0dB

· WHITE BAL : PRE

• SHUTTER : OFF

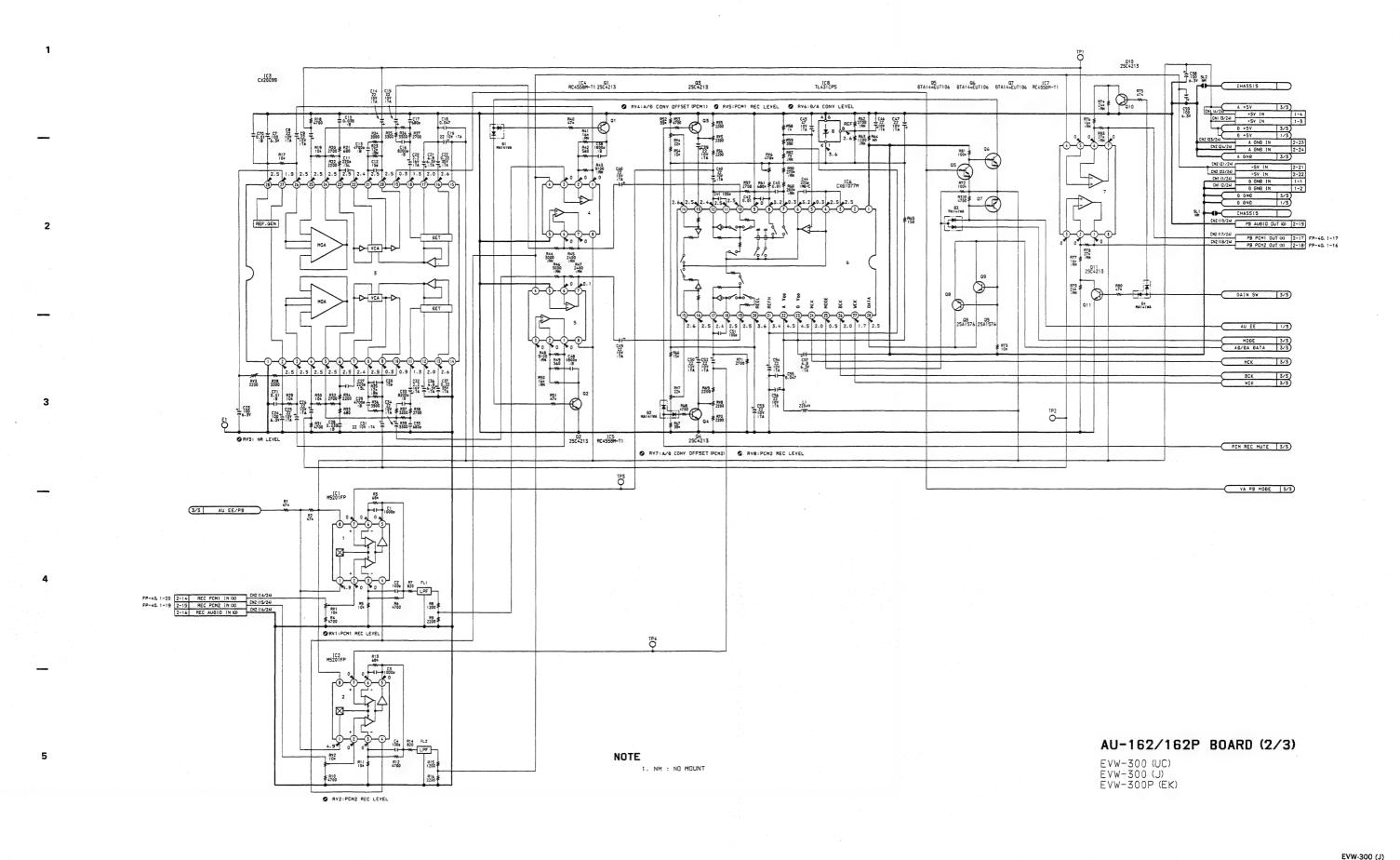
EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

C-75

E

C-76

C-77



E

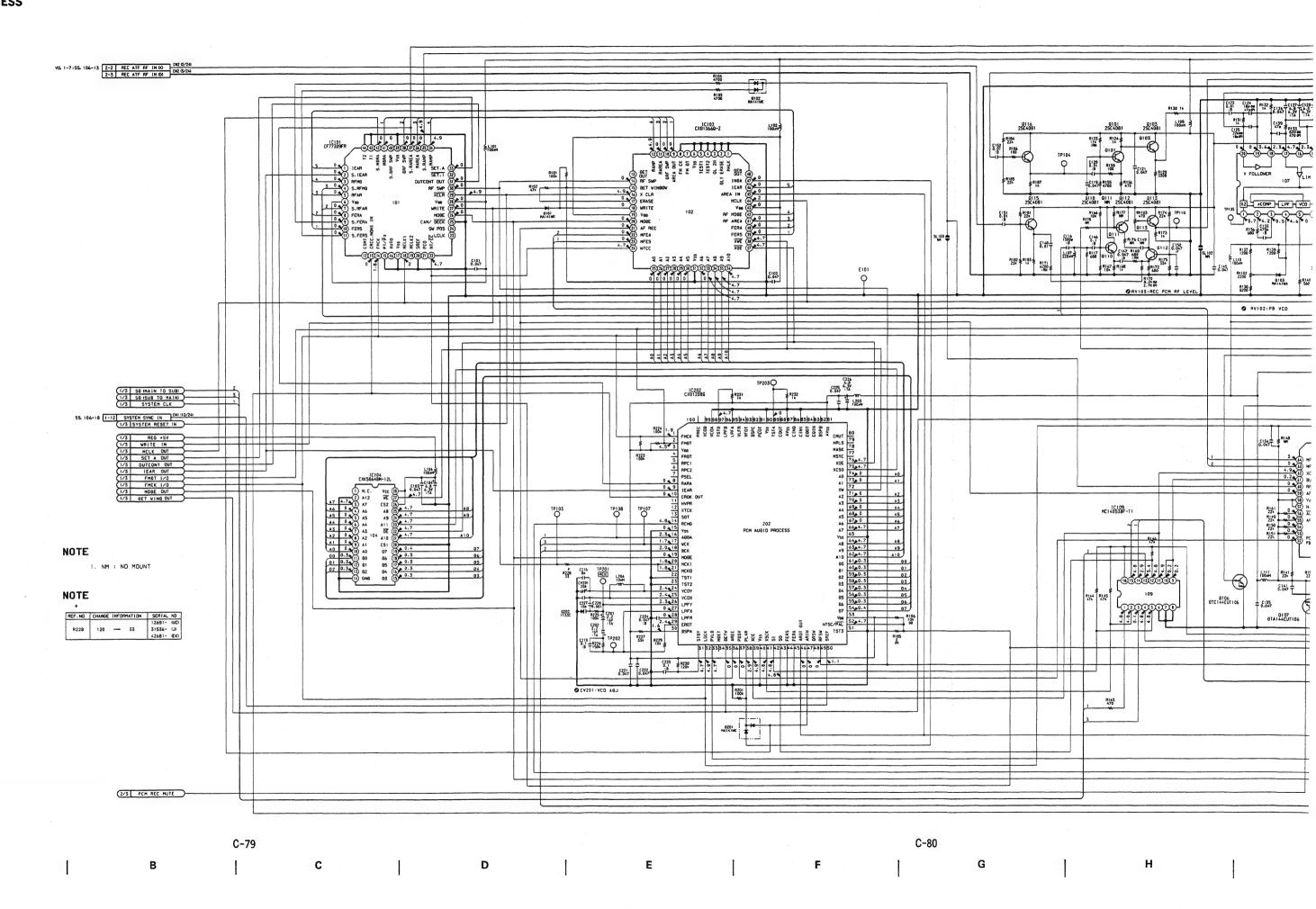
64

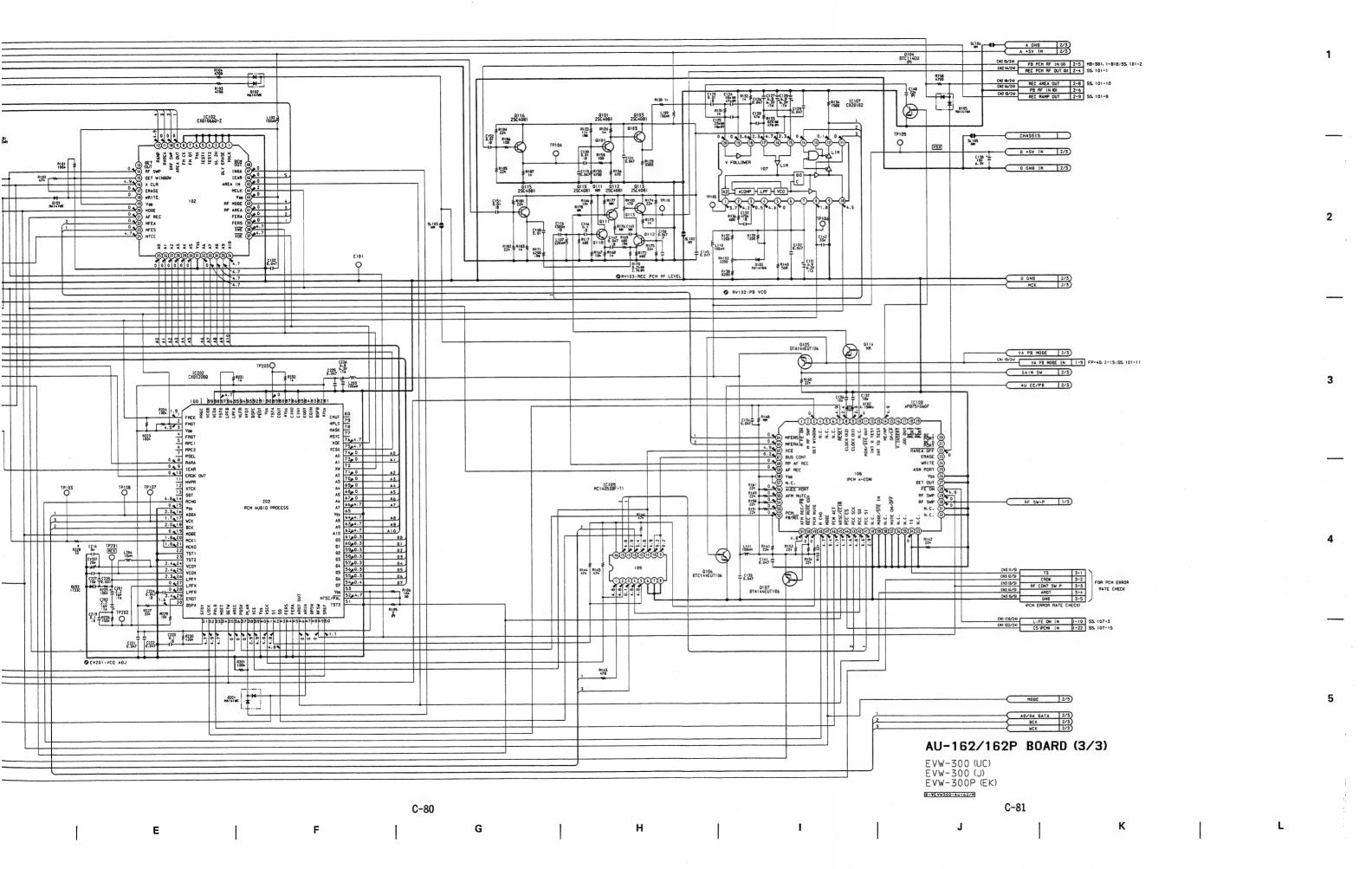
EVW-300 (UC) EVW-300P (EK)

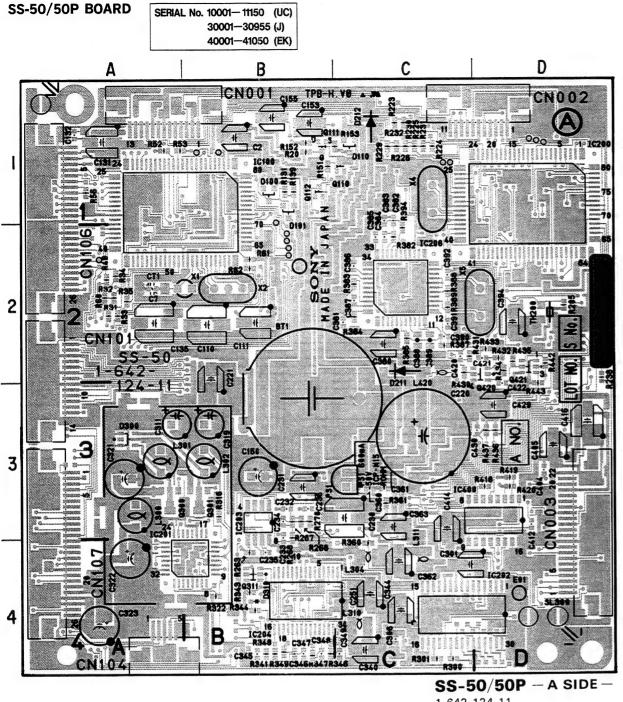
Н

C-78

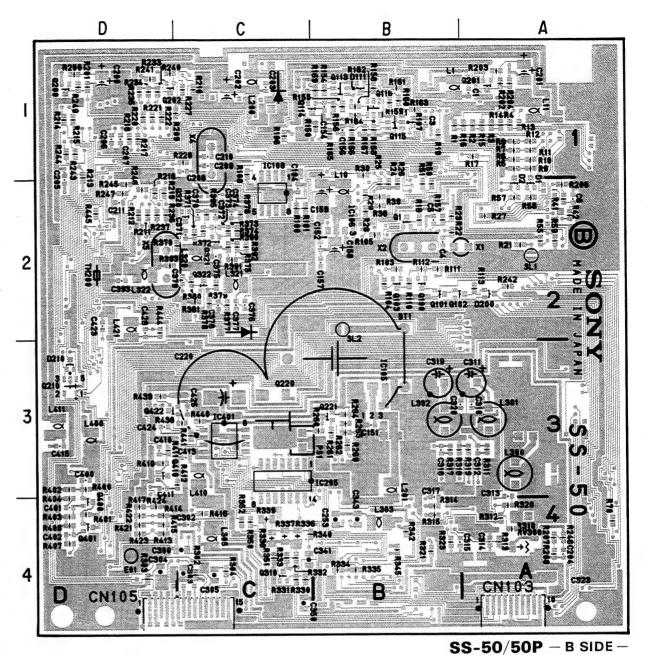
### **PCM PROCESS**





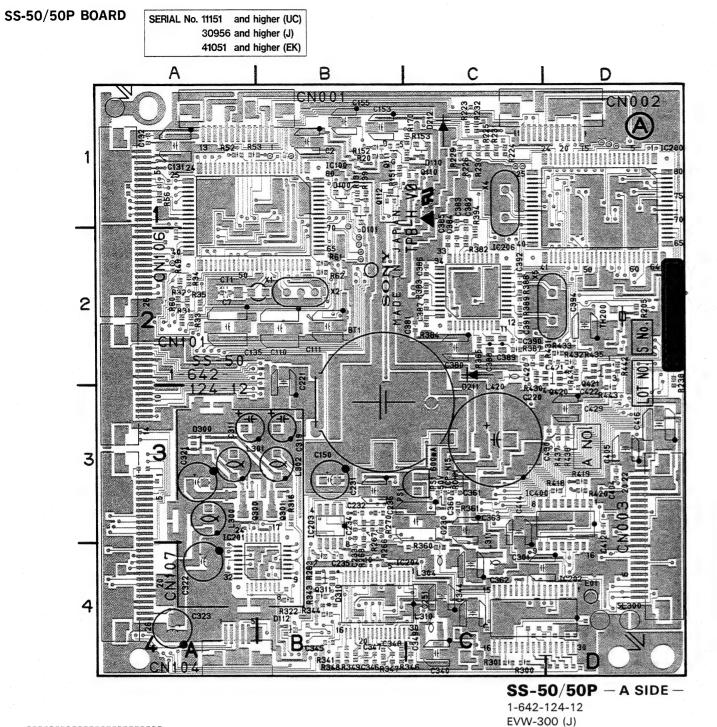


1-642-124-11 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)



1-642-124-11 EVW-300 (J) EVW-300 (UC)

										EVVV-300	100				
SS-50/	50P (1	-642-124-	11)		EVW-300P (EK)										
*: B S	IDE														
BT1	B-2	D101 D110	B-2 C-1	*IC105 *IC106	B-2	*L1 *L10	B-1 B-1	*L320 *L321	C-2 C-2	*Q101 *Q102	B-2 A-2	*Q210 *Q220	D-3	Q420 Q421	D-3 D-2
CN1 CN2	B-1 D-1	*D111 *D200	B-1 A-2	*IC108 IC200		*L11 *L200	A-1 C-1	*L322 *L400	D-2 D-3	*Q103 Q110	B-2 C-1	*Q221 Q300	B-3 A-3	*Q422	D-3
CN3 CN101	D-3 A-2	*D210 D211	D-3 C-2	IC201 IC202		*L201 L300	B-3 A-3	*L410 *L411	C-3 D-3	Q111 Q112	B-1 B-1	Q301 +Q310	B-3 C-4	*RV300	) A-4
CN104 CN106		D212 D300	C-1 A-3	IC203 IC204		L301 L302	A-3 B-3	L420 *L421	C-2 D-2	*Q113 *Q114	B-1 C-1	Q311 +Q320	B-4 C-2	TH200	D-2
CN107		D310	B-4	*IC205 IC206	B-3	*L303 L304	B-4 C-4	PS1	B-3	+Q115 +Q116	B-1 B-1	+Q321 +Q322	C-2 C-2	X1 X2	B-2 B-2
*D1 *D2	A-2 A-2	E1	D-4	IC400 +IC401	C-3	*L305 L310	C-4	*Q1	B-2	*Q200 *Q201	D-1 A-1	*Q400 *Q401	D-4 D-4	X4 X5	C-1 C-2
D100	B-1	IC100	B-1	-10401	0 3	L311	C-3	*Q100	B-2	*Q202	D-1	*Q410	D-3		EVW-300 (J)
								C-84						E	EVW-300P (EK



EVW-300 (UC) EVW-300P (EK) \*Q101 B-2 \*Q210 D-3 \*Q102 A-2 \*Q220 C-3 Q421 D-2 \*Q422 D-3 \*Q103 B-2 \*Q221 B-3 Q110 C-1 Q300 A-3 Q111 B-1 Q301 B-3 \*RV300 A-4 Q112 B-1 \*Q310 C-4 TH200 D-2 \*Q113 B-1 Q311 B-4 \*0320 C-2 \*Q114 C-1 \*Q115 B-1 \*Q321 C-2 B-2 \*Q322 C-2 \*Q116 B-1 X2 B-2

\*Q400 D-4

\*Q401 D-4

\*Q410 D-3

X4

X5

C-1

C-2

D100 B-1
EVW-300 (J)
EVW-300 (UC)
EVW-300P (EK)

69

\*D1

\*: B SIDE
BT1 B-2

B-1

D-3

A-2

CN2 D-1

CN101 A-2

CN104 A-4

CN106 A-2

CN107 A-4

\*D2 A-2

CN1

CN3

SS-50/50P (1-642-124-12)

D101 B-2

D110 C-1

\*D111 B-1

\*D200 A-2

\*D210 D-3

D211 C-2

D212 C-1

D300 A-3

D310 B-4

E1 D-4

IC100 B-1

\*IC105 B-3

\*IC106 B-2

\*IC108 C-1

IC200 D-1

IC201 A-3

IC202 D-4

IC203 B-3

IC204 B-4

\*IC205 B-3

IC206 C-2

IC400 C-3

\*IC401 C-3

\*L1

\*L10

\*L11

B-1

B-1

A-1

\*L200 C-1

\*L201 B-3

L300 A-3

L301 A-3

L302 B-3

\*L303 B-4

L304 C-4

\*L305 C-4

L310 C-4

L311 C-3

\*L320 C-2

\*L321 C-2 \*L322 D-2 \*L400 D-3

\*L410 C-3

\*L411 D-3

L420 C-2

\*L421 D-2

\*Q100 B-2

B-2

\*Q200 D-1

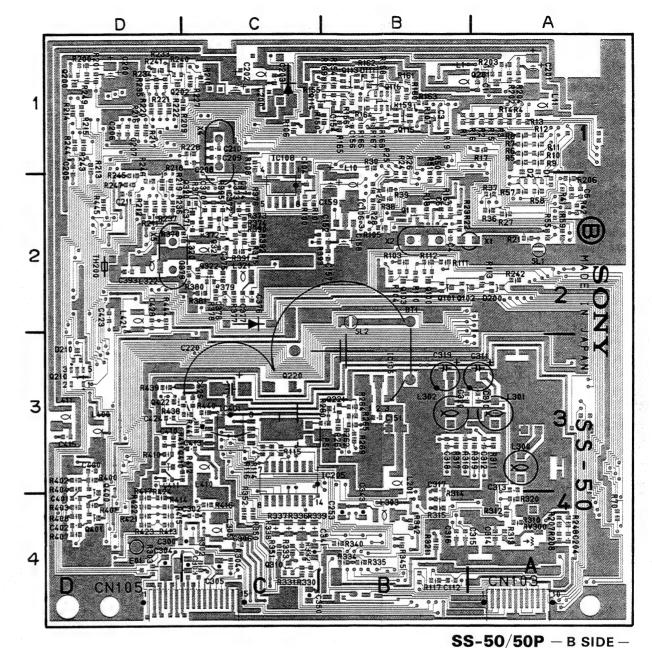
\*Q201 A-1

\*Q202 D-1

PS1

\*Q1

C-85



1-642-124-12 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

### SS-50/50P BOARD

### 注意:

1. DC 電圧はデジタル電圧計による値。

No Mark: REC mode

() Mark: PB mode

2. 波形写真, 及び DC 電圧は下記条件での測定。

• OUTPUT

: BARS

• GAIN

: 0dB · WHITE BAL : PRE

• SHUTTER : OFF

### NOTE:

1. All voltage are DC. measured with a digital voltmeter.

No Mark: REC mode

() Mark: PB mode

2. All waveforms are taken and DC voltage is measured in

condition below.

• OUTPUT : BARS : OdB

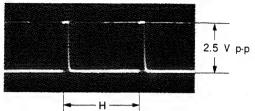
· GAIN

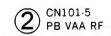
• WHITE BAL : PRE

SHUTTER

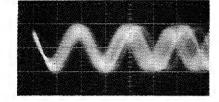
: OFF

CN106-15 REC/PB mode COMPOSITE SYNC





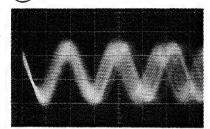
PB mode



H: 100 ns/DIV V: 500 mV/DIV

3 CN3-16 PB RF

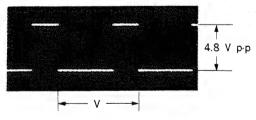
PB mode

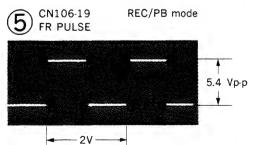


H: 100 ns/DIV V: 200 mV/DIV

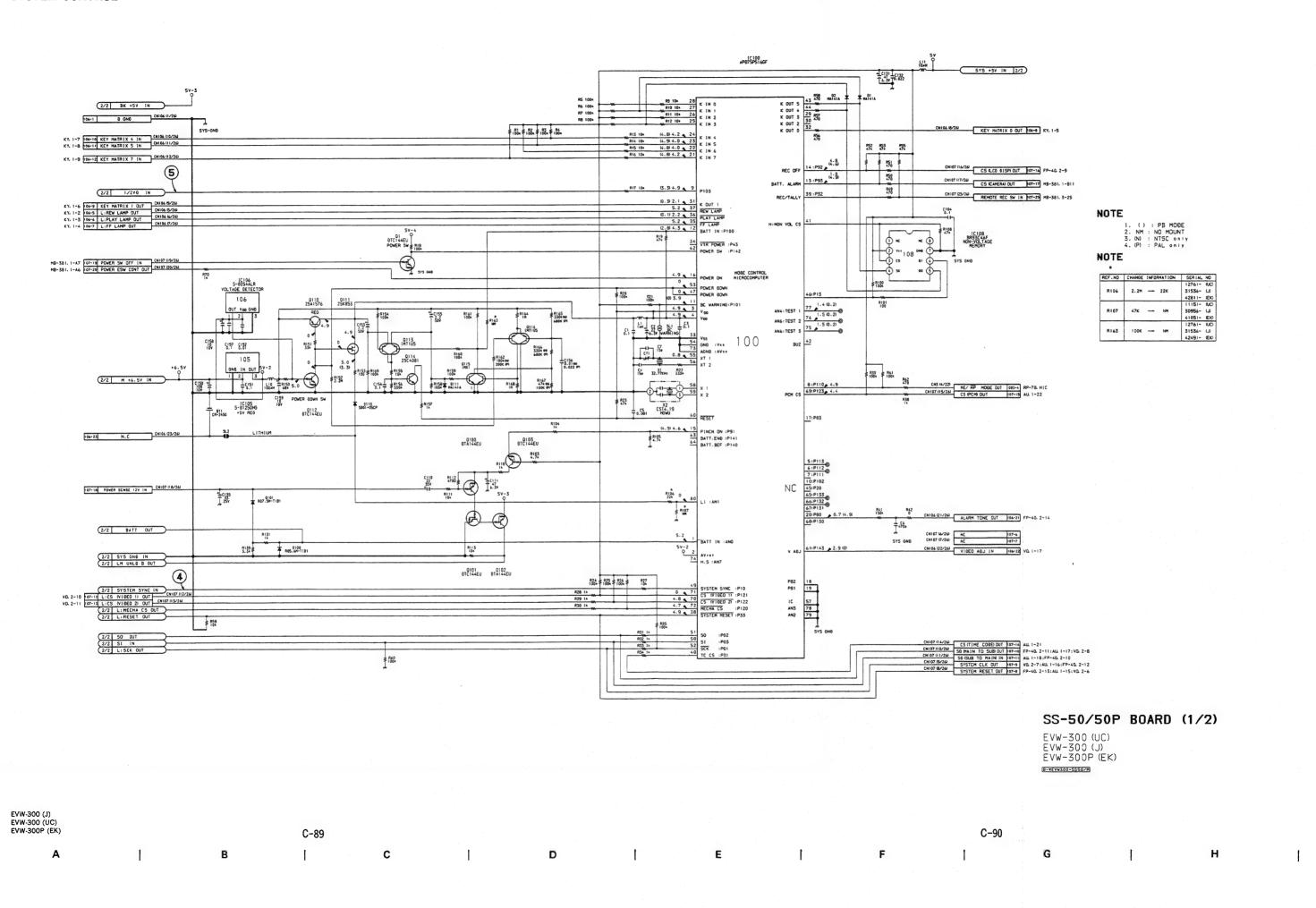
CN106-18 SYSTEM SYNC

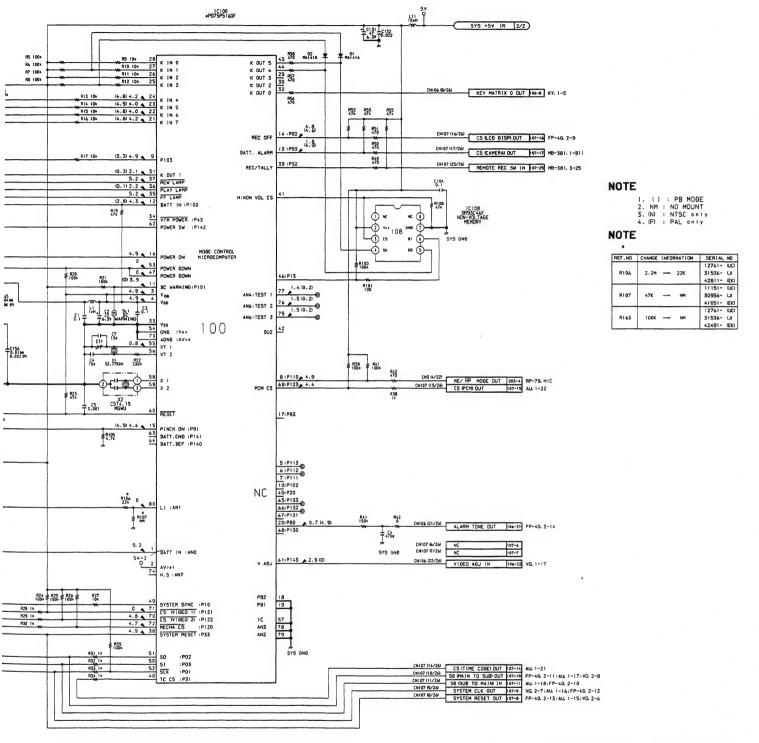
REC/PB mode





### SYSTEM CONTROL





F

SS-50/50P BOARD (1/2)

EVW-300 (UC) EVW-300 (J) EVW-300P (EK)

C-90

Н

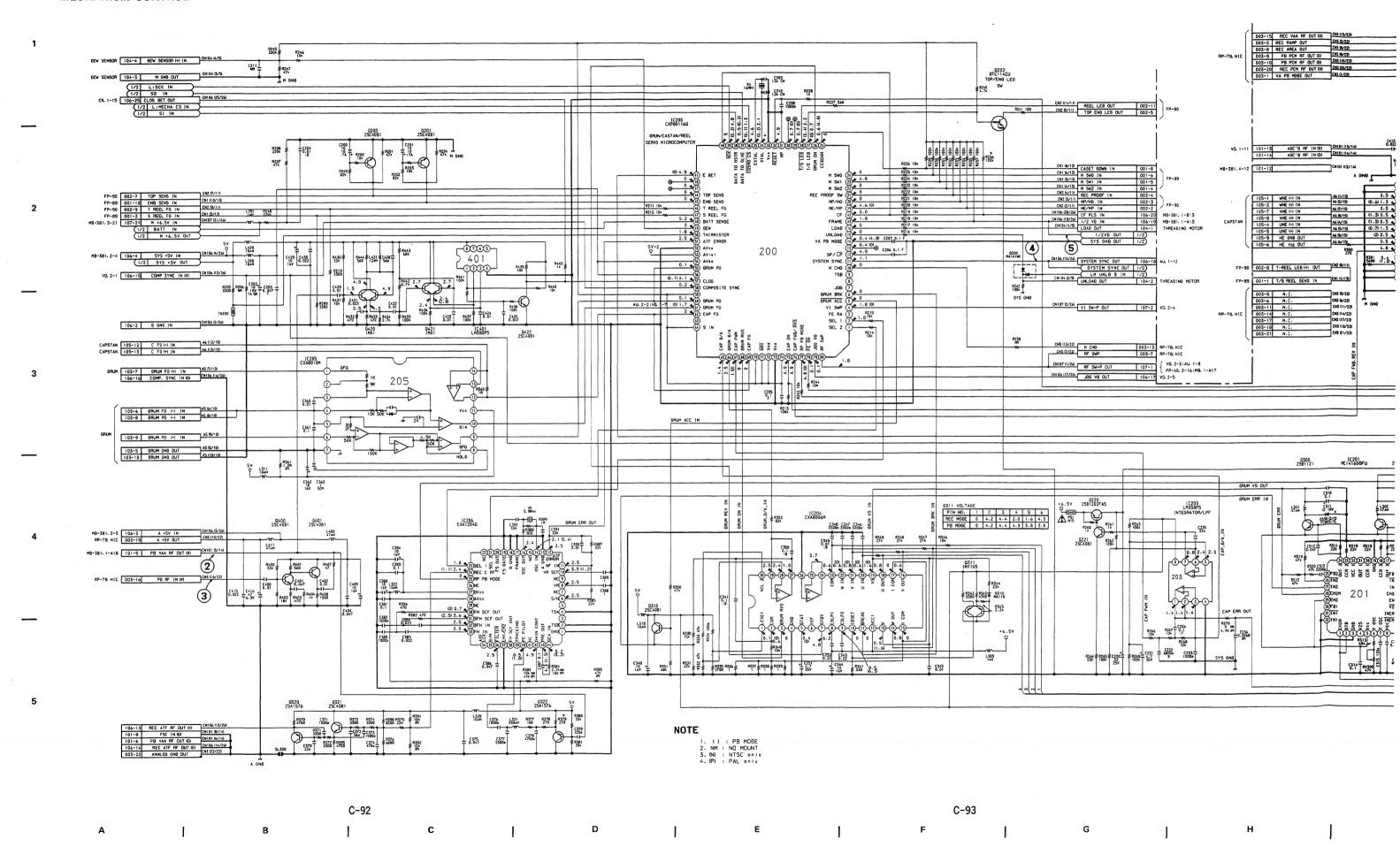
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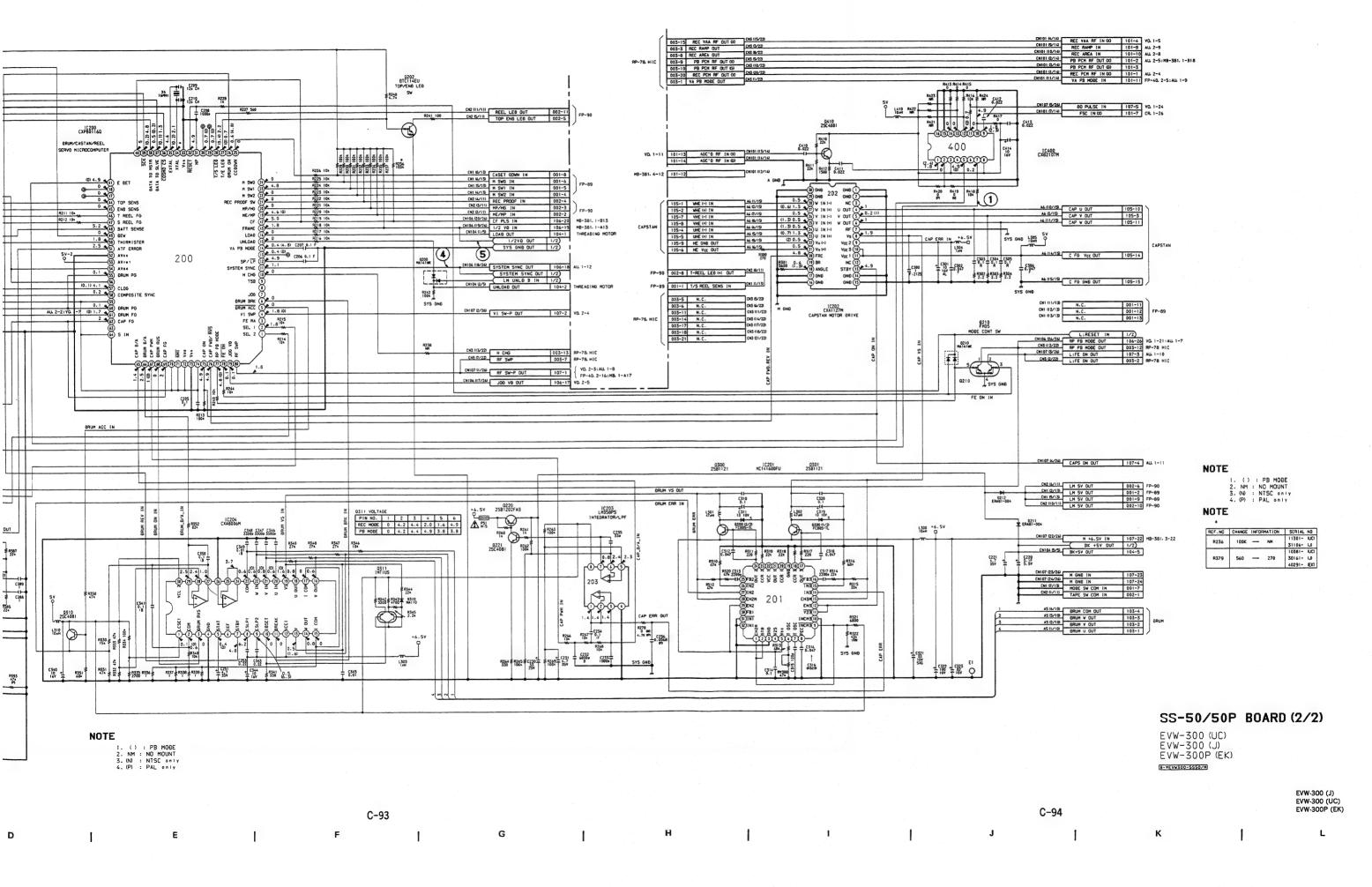
J

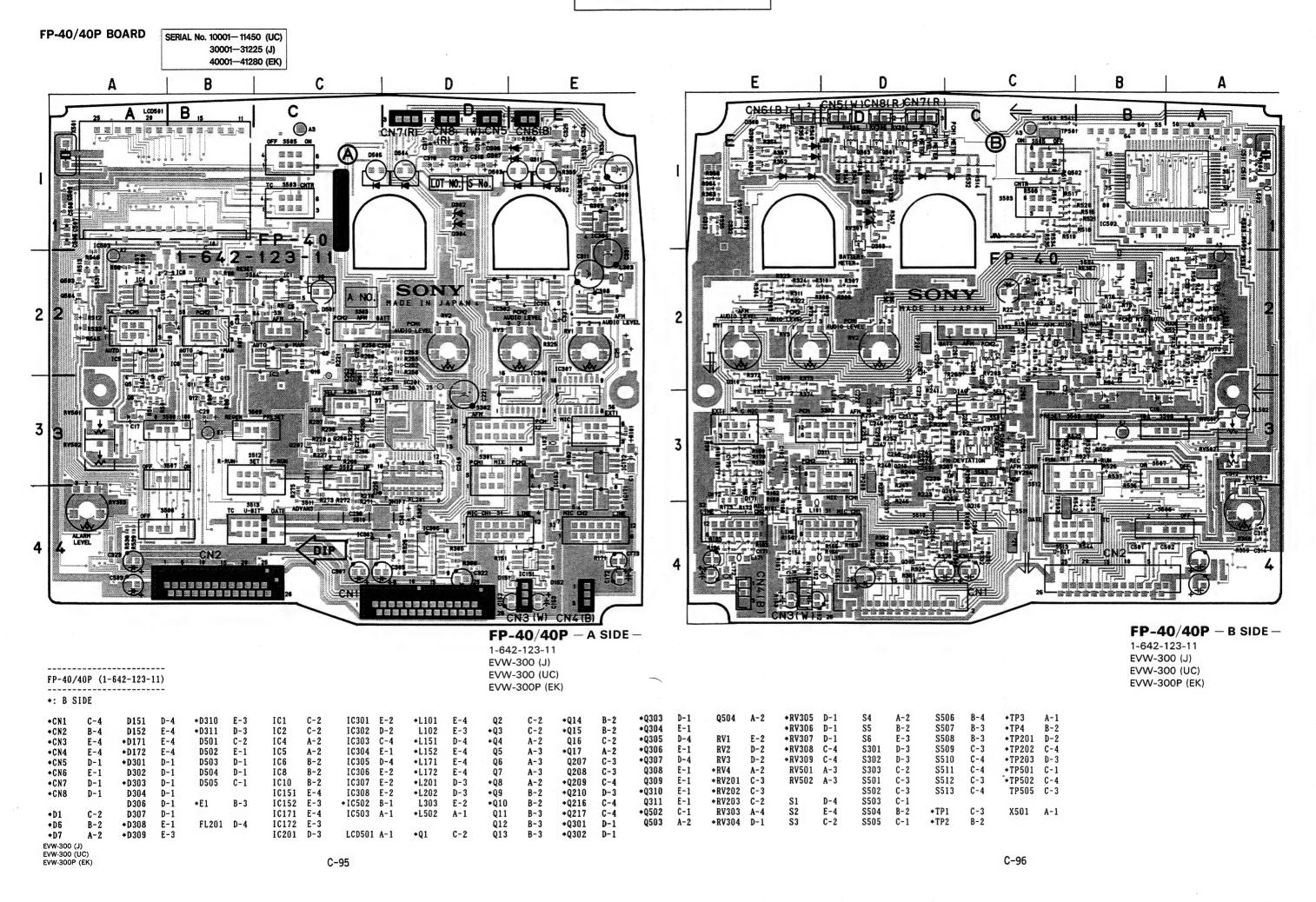
C-91

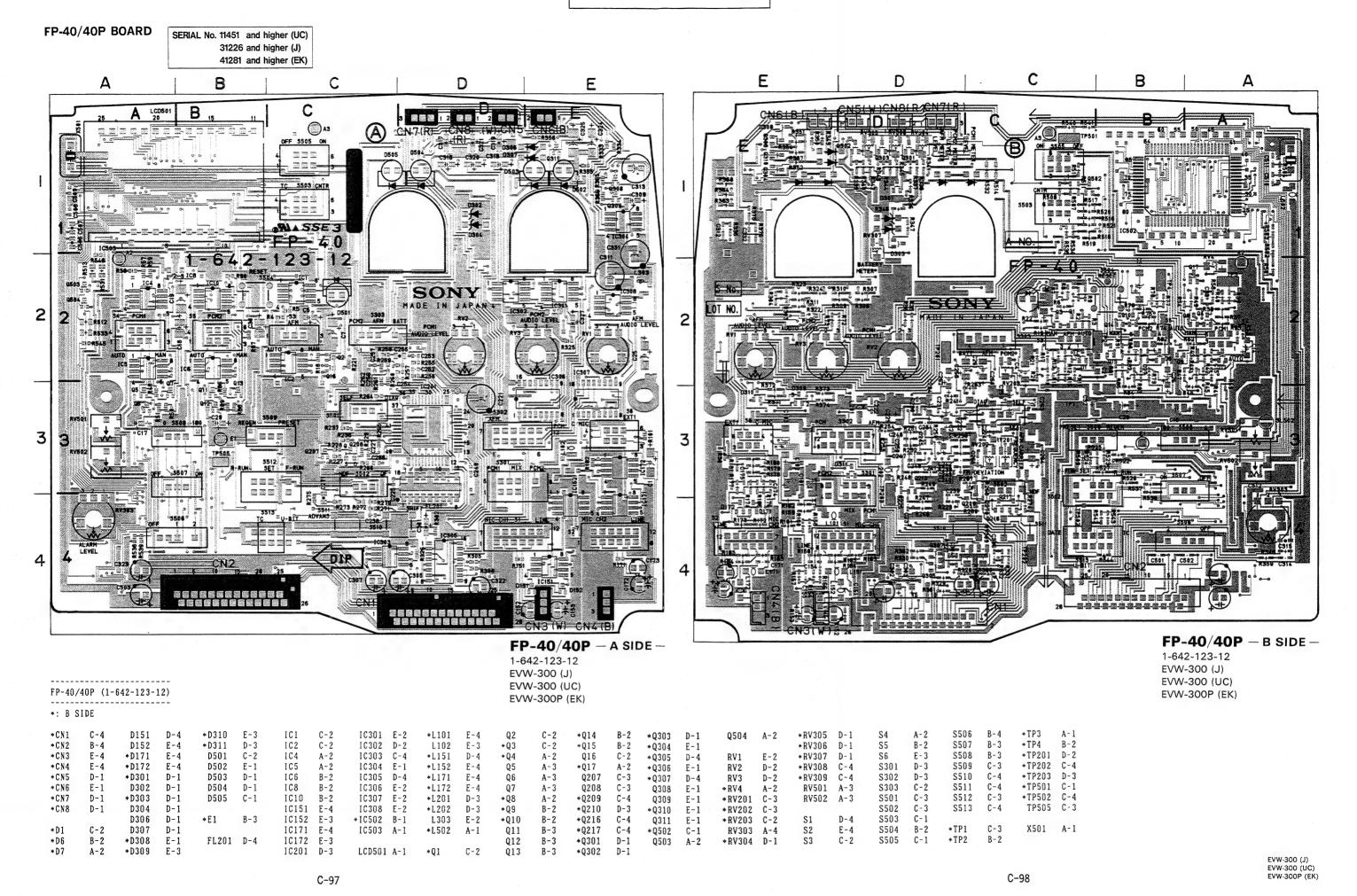
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## DRUM/CAPSTAN/ATF SERVO MECHANISM CONTROL

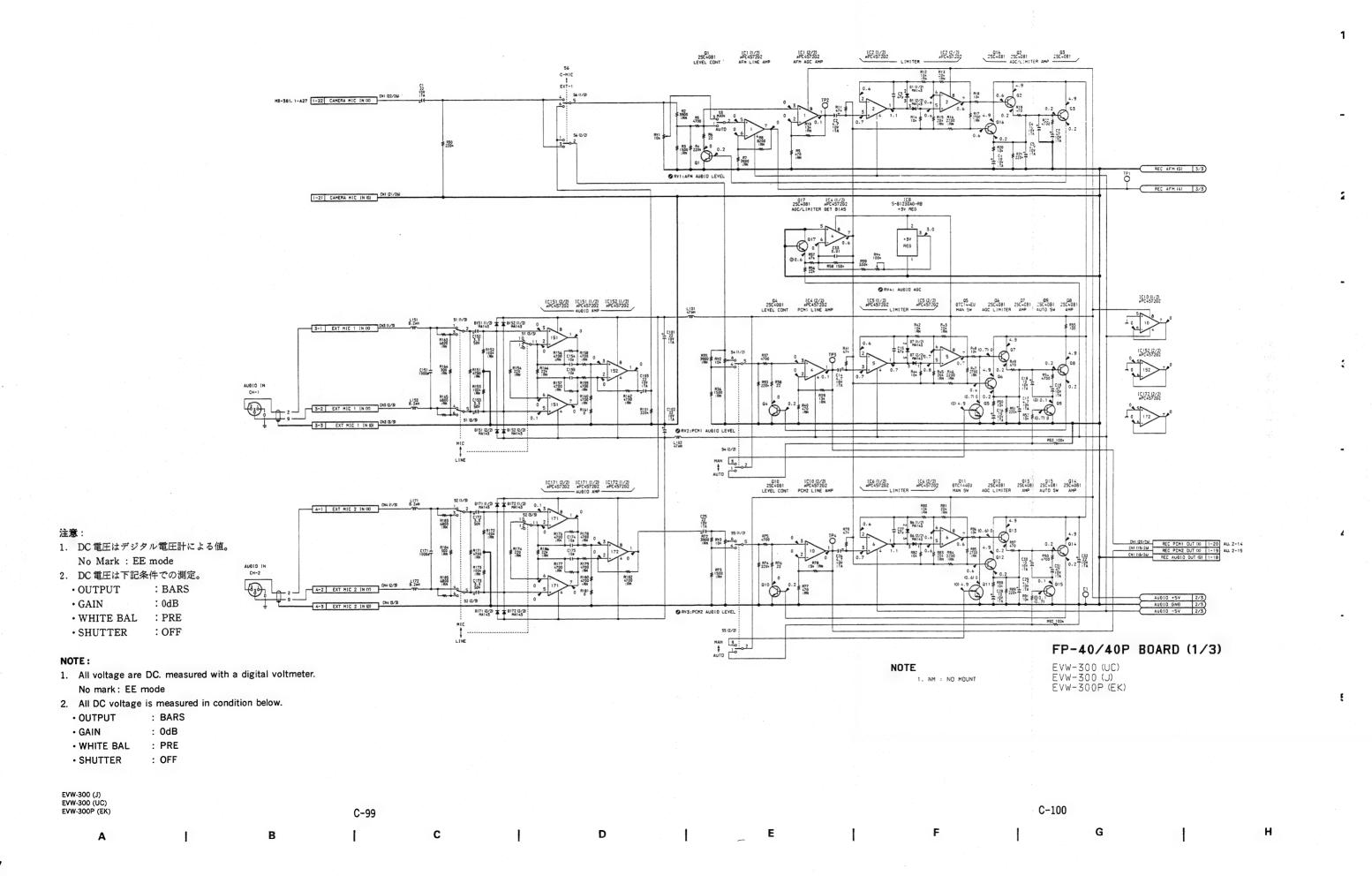








### **AUDIO INPUT/OUTPUT AMP**



77

### **AUDIO INPUT/OUTPUT AMP**

ENI (14/26) RFU SW IN 1-14 MB-381, 9-14 IC303 (1/2) RC4560M 1C306 (3/3) MC14053BF 3/3 PB AFM (G) ₹8373 100s IC304 (1/2) NJM386M EARPHONE AM R374 1C305 (3/3) MC14053BF IC302 (2/2) RC4558M PCM2 METER BRIVER 0 2 504 2.4 \$1355 00.3 0 00.3 AU. 2-18 1-16 PB PCM2 IN (X) CN1 (16/26) 3/3 | MECHA 6.5V 9301 PRV304:PCM1 METER LEVEL # 185119 # 185119 0.5 25C081 100 0.5 25C081 10 R349 R350 CN1 (24/28) +5V IN 1-24 8344 R347 8308 560 ₹ 104 PM 143 9015€SL 89594 FP-40/40P BOARD (2/3) NOTE EVW-300 (UC) EVW-300 (J) EVW-300P (EK) 1. NM : NO MOUNT B-YE VW300-FP40/M

> EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

ı D

C-101

С

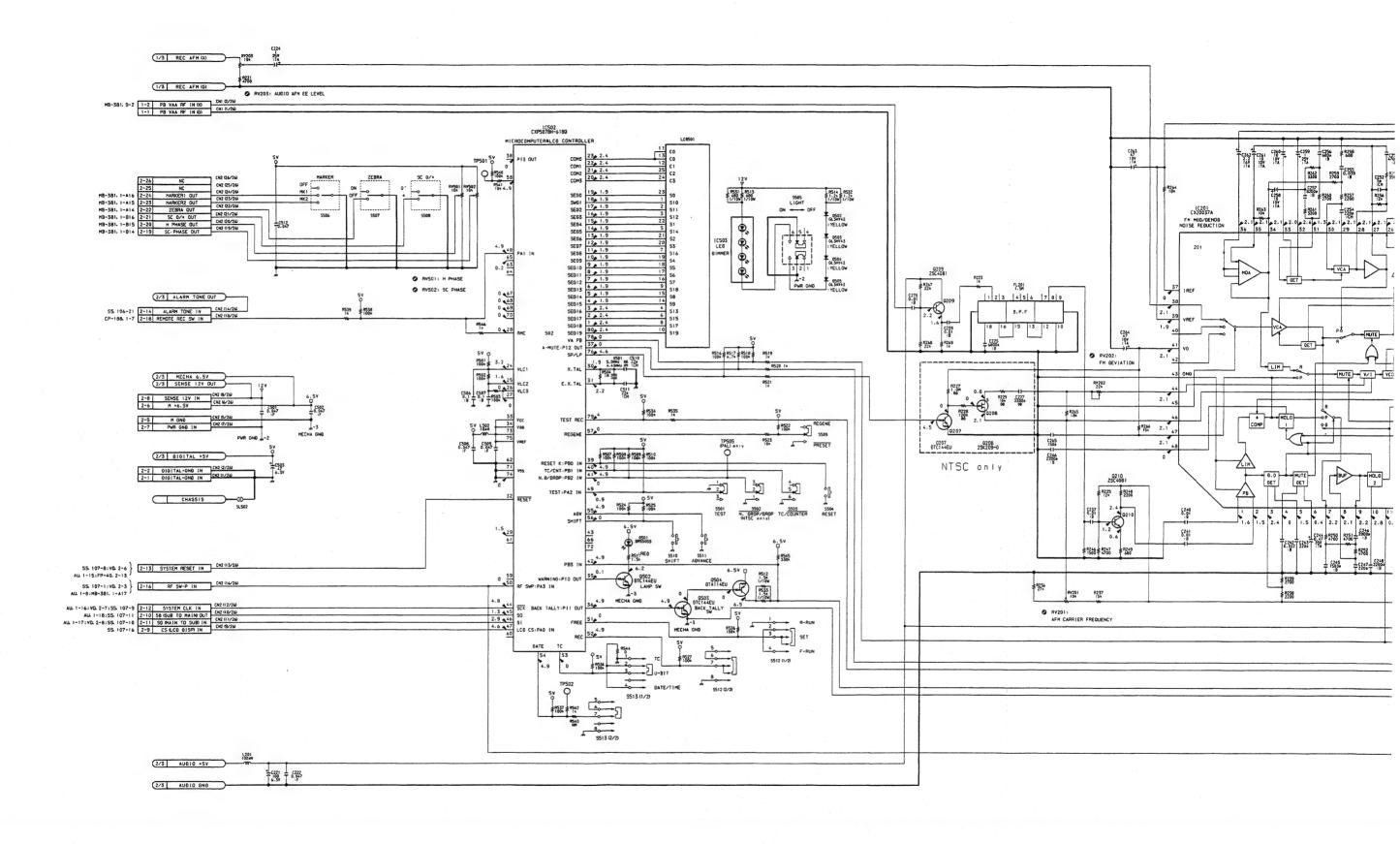
E

F

C-102

G

### AFM PROCESS



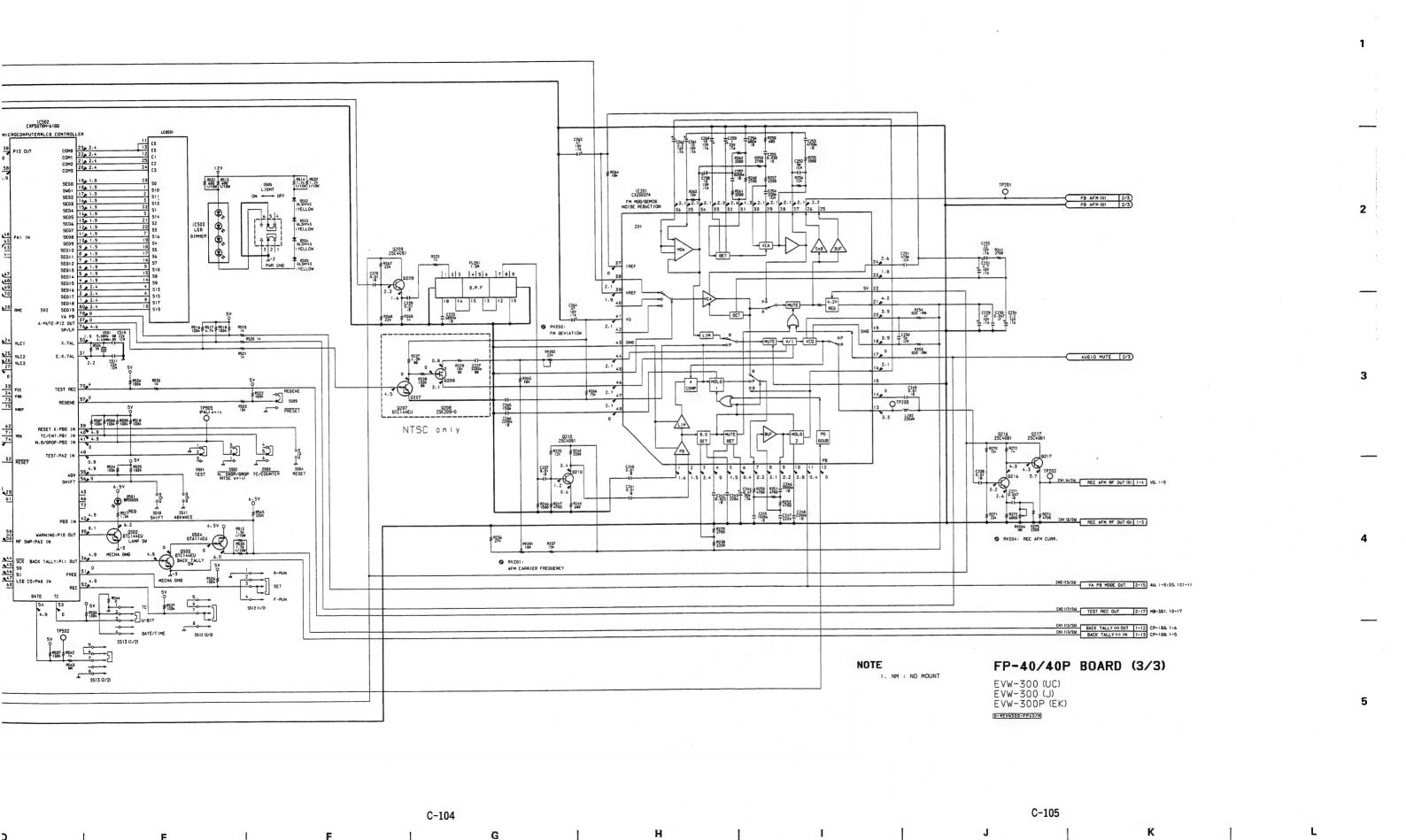
EVW-300 (J)
EVW-300 (UC)
EVW-300P (EK)

A B C D E F G H

F

Ε

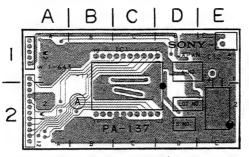
G



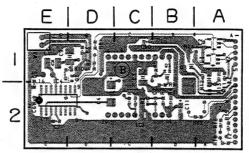
80

## PA-137 (B) (G) (R)/137P (B) (R) BOARD

SERIAL No. 10001—10480 (UC) 30001—30270 (J) 40001—40450 (EK)

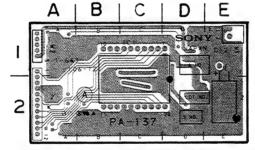


PA-137 (B) (G) (R)/137P (B) (R) -A SIDE-1-643-106-11

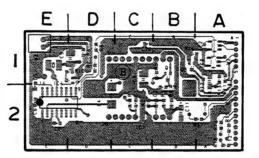


PA-137 (B) (G) (R)/137P (B) (R) -B SIDE -

SERIAL No. 10481—12880 (UC) 30271—31535 (J) 40451—42810 (EK)

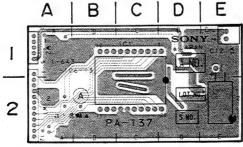


PA-137 (B) (G) (R)/137P (B) (R) -A SIDE -1-643-106-12

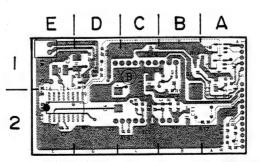


**PA-137 (B) (G) (R)/137P (B) (R)** -B SIDE - 1-643-106-12

SERIAL No. 12881 and higher (UC) 31536 and higher (J) 42811 and higher (EK)



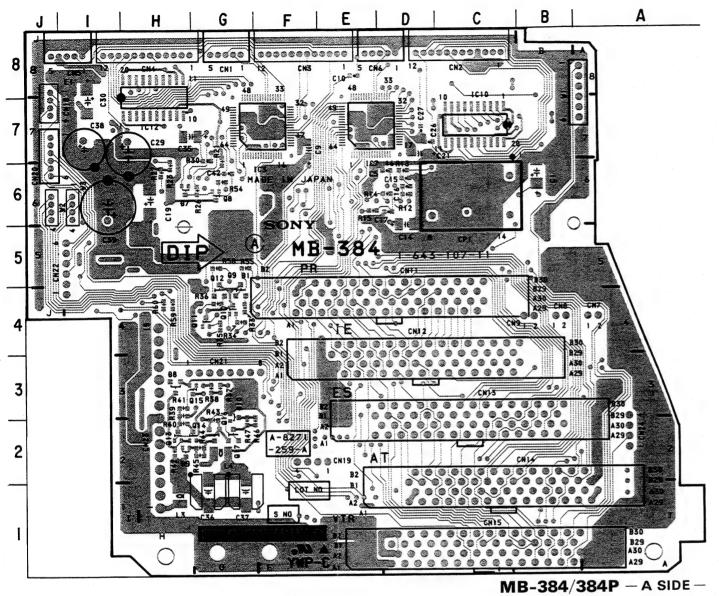
PA-137 (B) (G) (R)/137P (B) (R) -A SIDE-1-643-106-13



PA-137 (B) (G) (R)/137P (B) (R) -B SIDE - 1-643-106-13

### CAMERA BLOCK MOTHER BOARD

SERIAL No. 10001—10730 (UC) 30001—30480 (J) 40001—40700 (EK)



1-643-107-11 EVW-300 (J)

EVW-300 (UC) EVW-300P (EK)

MB-384/384P (1-643-107-11) \*: B SIDE \*RV1 +07 B-8 IC10 H-5 CN18 W2 J-6 \*CN19 \*D6 \*IC11 G-6 \*RV2 B-6 CN2 F-2 C-8 IC12 \*RV3 H-7 **W**3 CN3 CN20 J-6 D7 F-8 Q10 G-4 \*RV4 \*IC13 F-8 \*CN21 G-3D8 H-3 CN4 H-8 Q11 G-4 \*RV5 1-7 CN5 I-8 \*CN22 I-5 D9 H-2 \*IC14 G-6 \*RV6 Q12 G-5 C - 6CN6 E-8 \*CN23 D10 G-3 Q13 H-2 \*CN7 \*CN24 A-2 A-5 Q14 G-2 \*TP1 \*E1 J-8 H-1 +CN8 1.3 R-5 Q15 G-3 \*TP2 B-7 CP1 C-5 G-2 \*CN9 B-5 L4 G-3 \*TP3 H-8 \*IC1 016 CN11 D-5 \*TP4 H-6 B-5 G-2 CN12 D-4 \*D1 \* IC2 \*Q1 017 +TP5 \*D2 B-7 IC3 F-6 I-7 \*Q18 H-4 I - 5 CN13 C-3 \*D3 E-6 \*Q5 \*Q19 H-4 \*TP6 I-8 \*IC6 CN14 B-2 E-6 IC7 CN15 +D4 1-7

B D 680838638099 / 8 7 1013 + C28 000 CICARY CI 6 14 8 800 @ 9 9 0 8 CH21 7 ES 8666 - D 21 0 9 000

 $\mathbf{MB} extsf{-384}/\mathbf{384P} - \mathtt{B}\ \mathtt{SIDE} -$ 

1-643-107-11 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

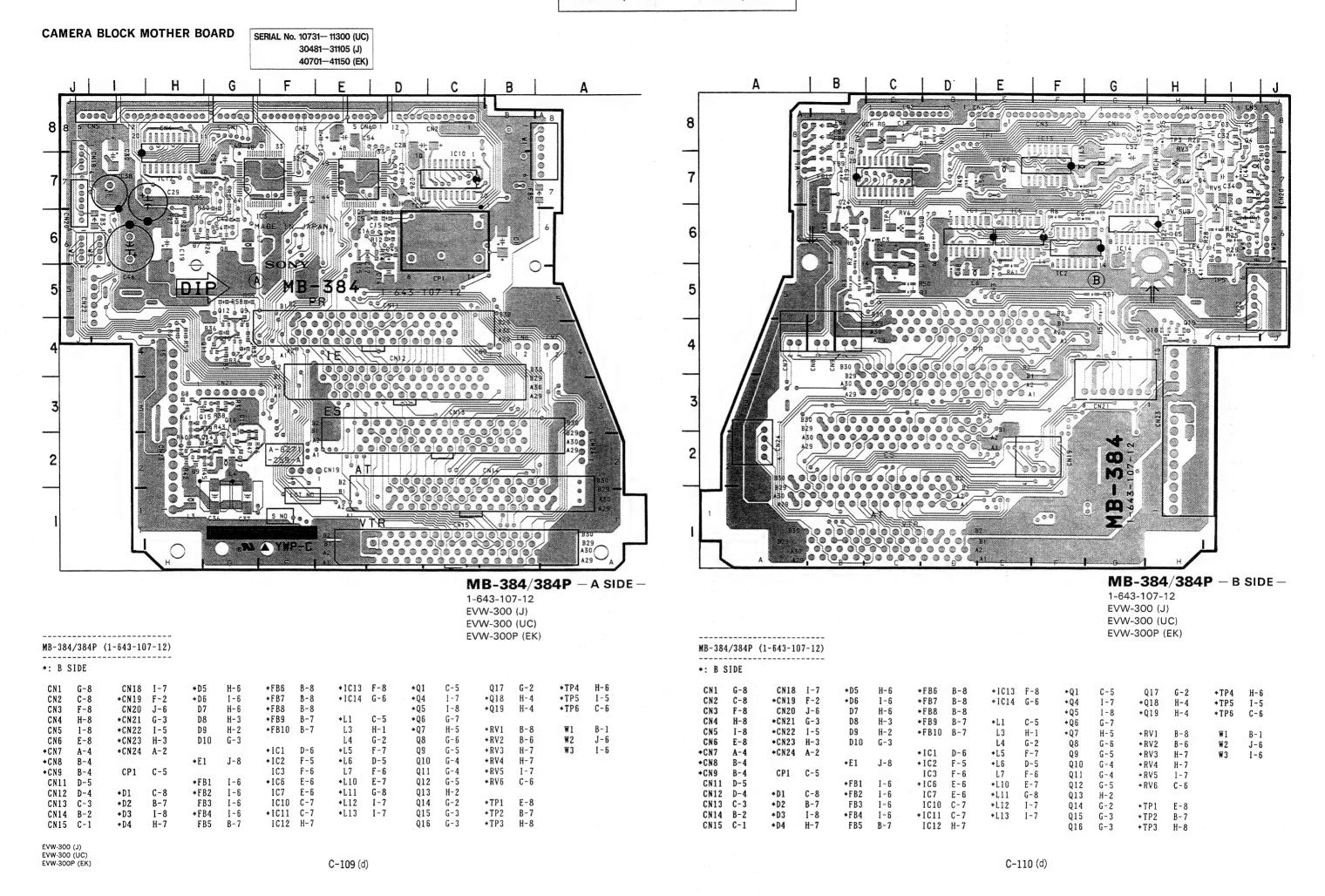
MB-384/384P (1-643-107-11)
-----\*: B SIDE

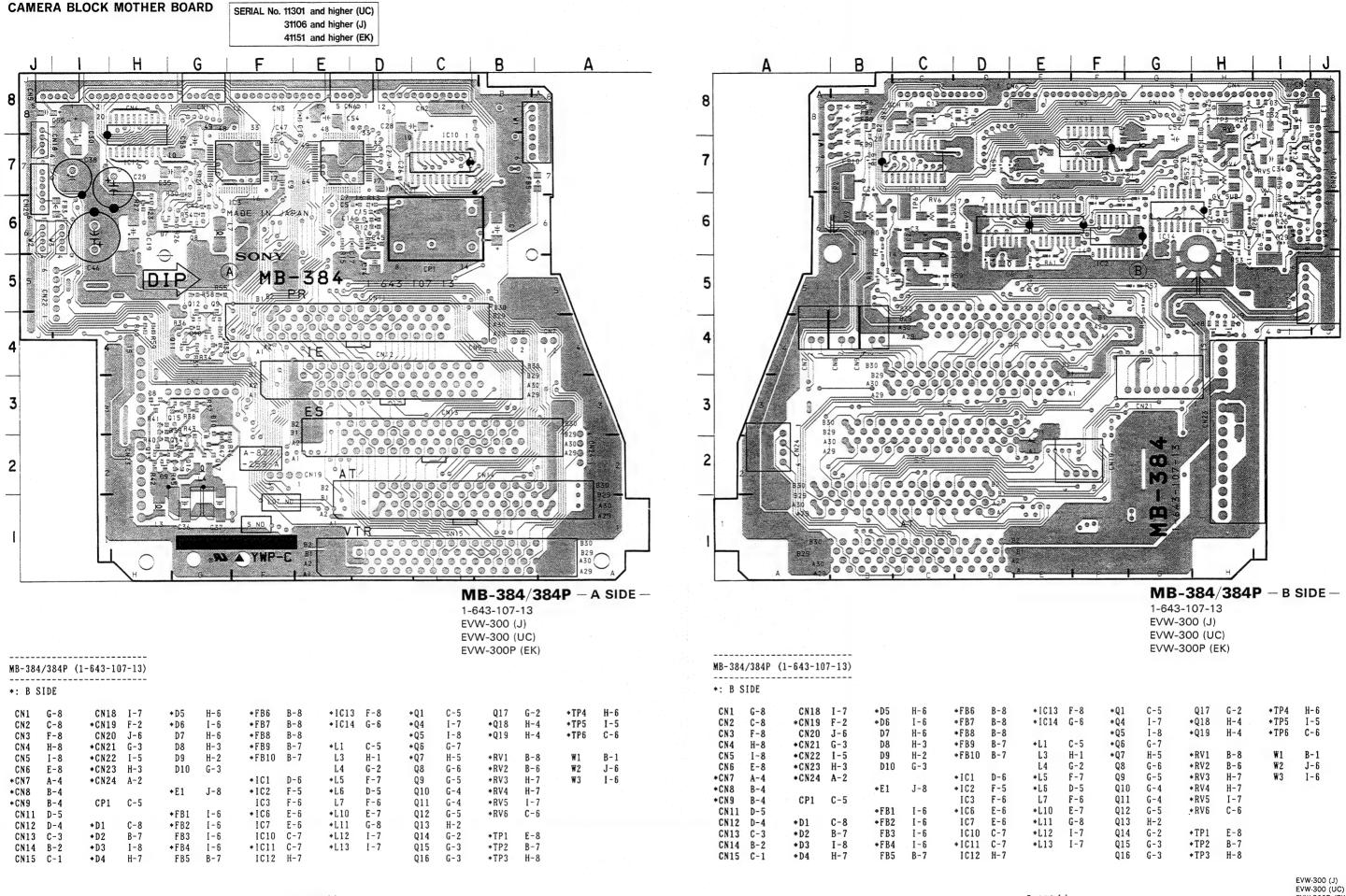
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CN18 IC10 C-7 \*RV1 CN2 \*CN19 \*D6 I-6 \*IC11 \*RV2 J-6 CN3 F-8 CN20 D7 H-6 IC12 \*RV3 +CN21 **D8** H-3 F-8 010 \*RV4 CN4 G-3 \*IC13 H-6 H-8 G-4 CN5 1-8 \*CN22 1-5 D9 H-2 \*IC14 G-6 011 G-4 \* RV5 1-7 CN6 \*CN23 H-3 D10 G-3 G-5 \*RV6 C-6 +CN7 +CN24 \*L1 H-2 A-5 A-2 Q13 +CN8 \*E1 J-8 L3 H-1 G-2 \*TP1 B-5 014 CP1 \*TP2 +CN9 C-5 L4 G-2 015 G-3 B-5 R-7 CN11 D-5 \*IC1 D-6 016 G-3 +TP3 H-8 CN12 D-4 +IC2 F-5 \*Q1 B-5 Q17 G-2 \*TP4 CN13 C-3 \*D2 B-7 IC3 F-6 \*Q4 I-7 +Q18 H-4 \*TP5 I-5 \*D3 \*IC6 \*Q5 I-8 +Q19 \*TP6 CN14 B-2 I-8 E-6 \*D4 I-7 IC7 E-6 **\*Q6** G-7

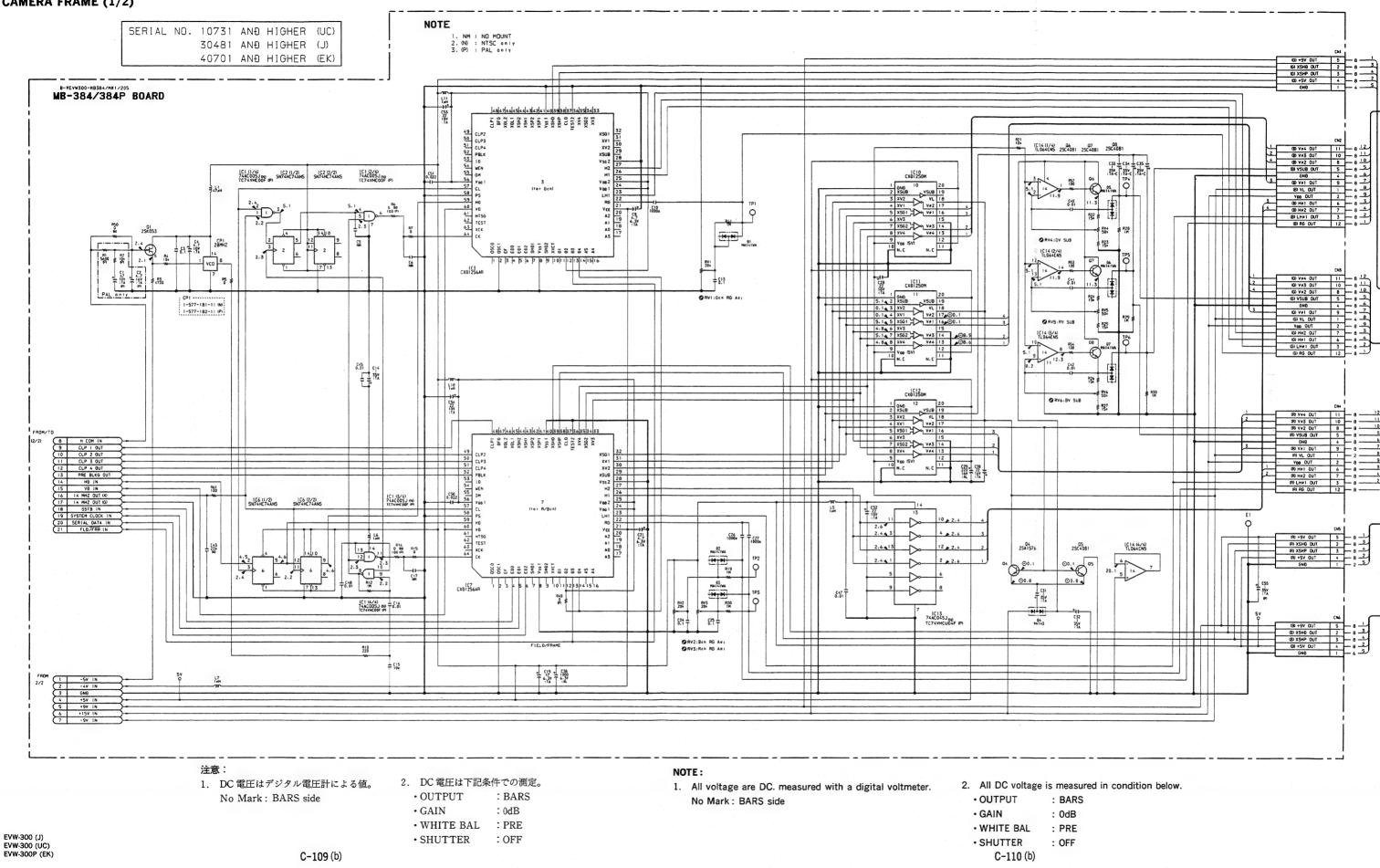
C-108

EVW-300 (J) EVW-300 (UC) EVW-300P (EK)









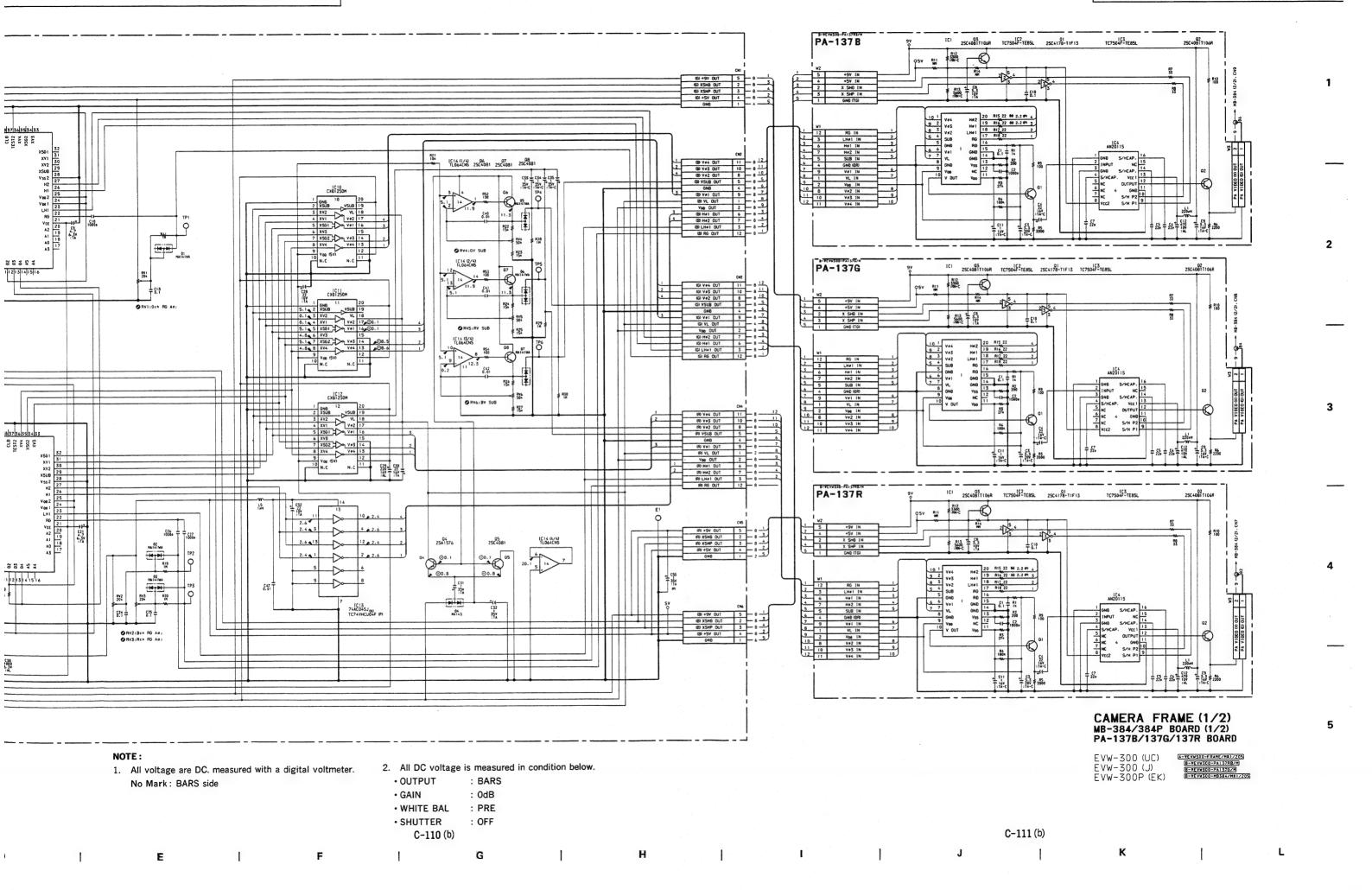
Ε

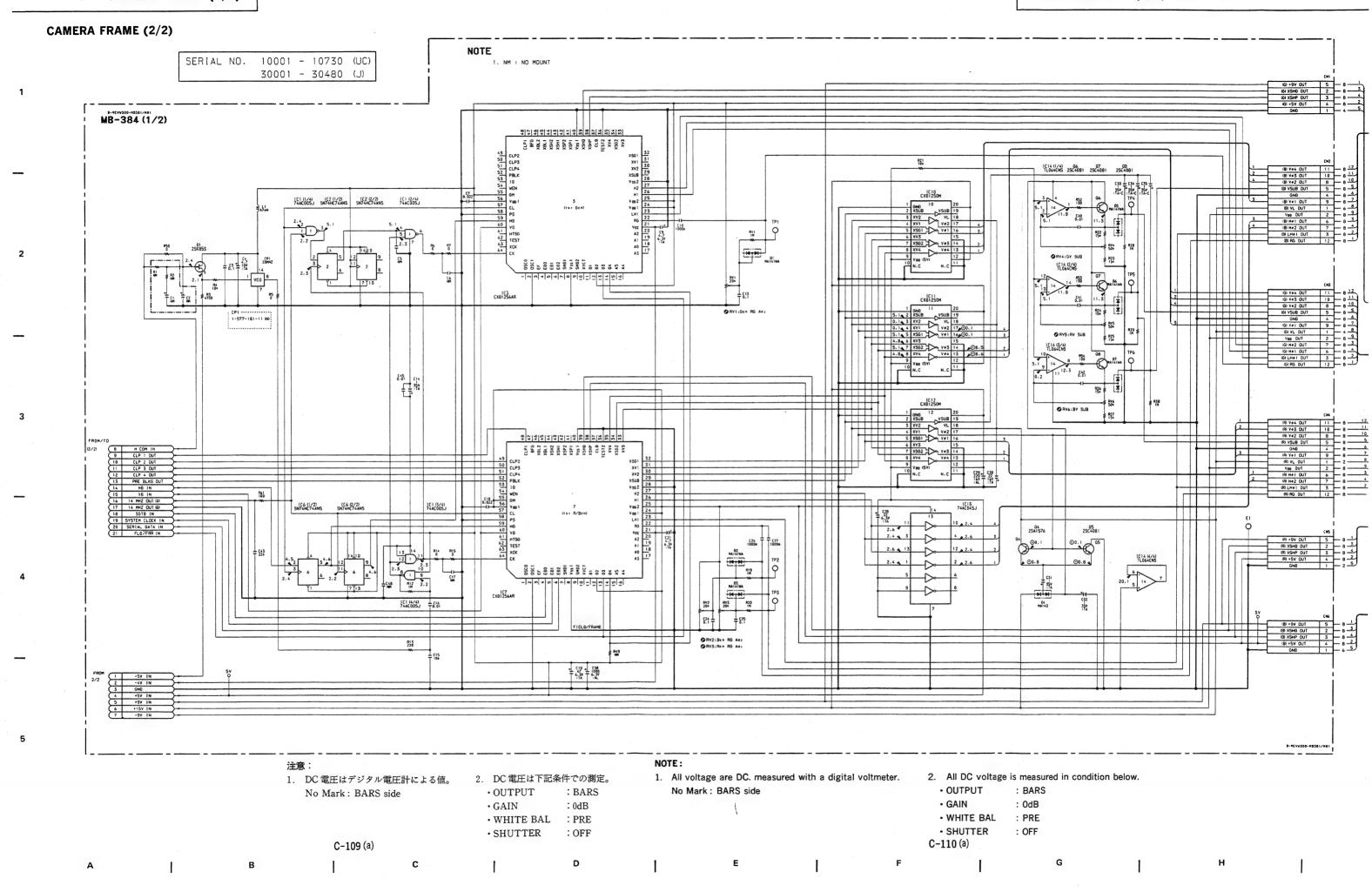
G

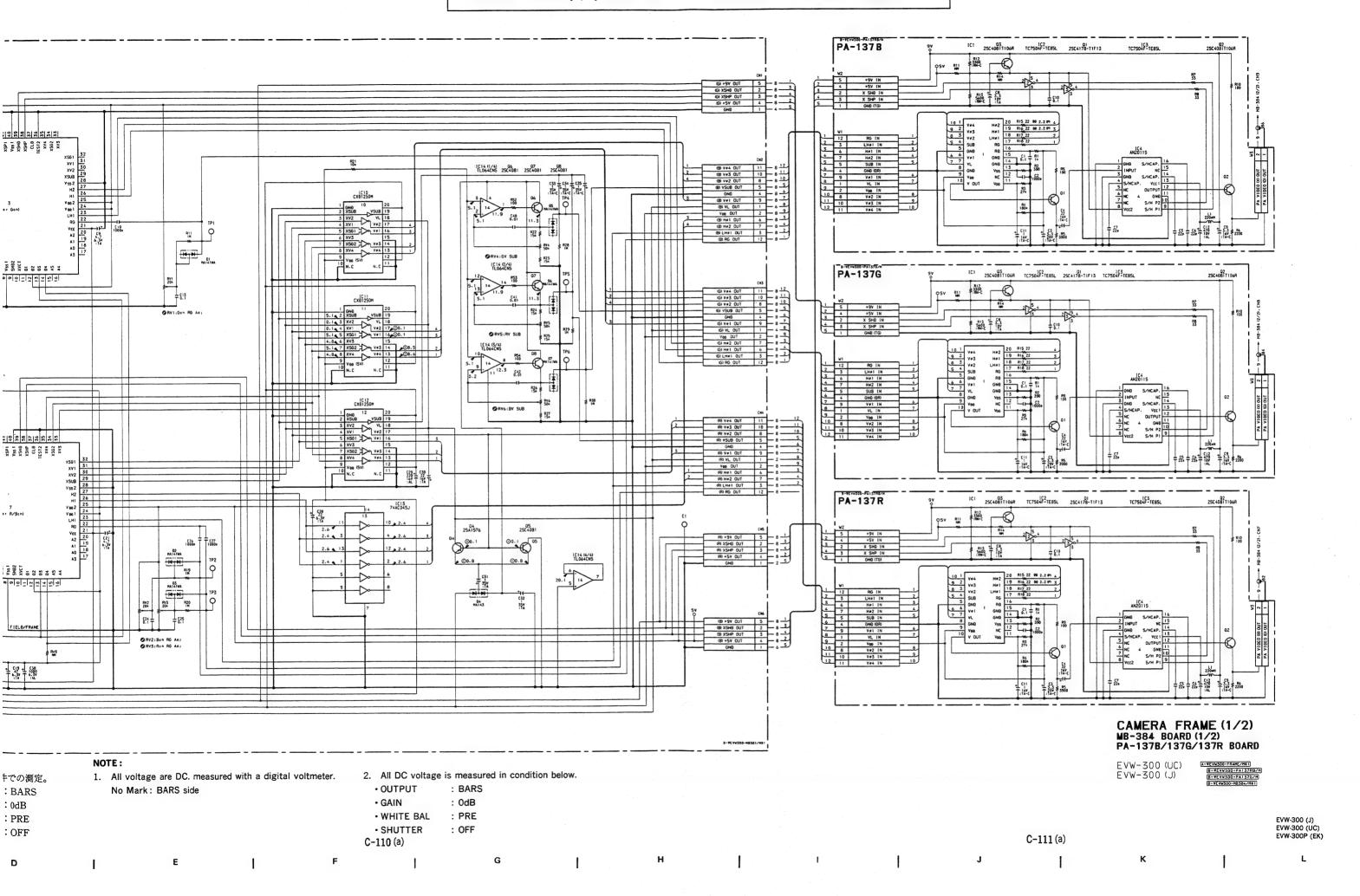
В

С

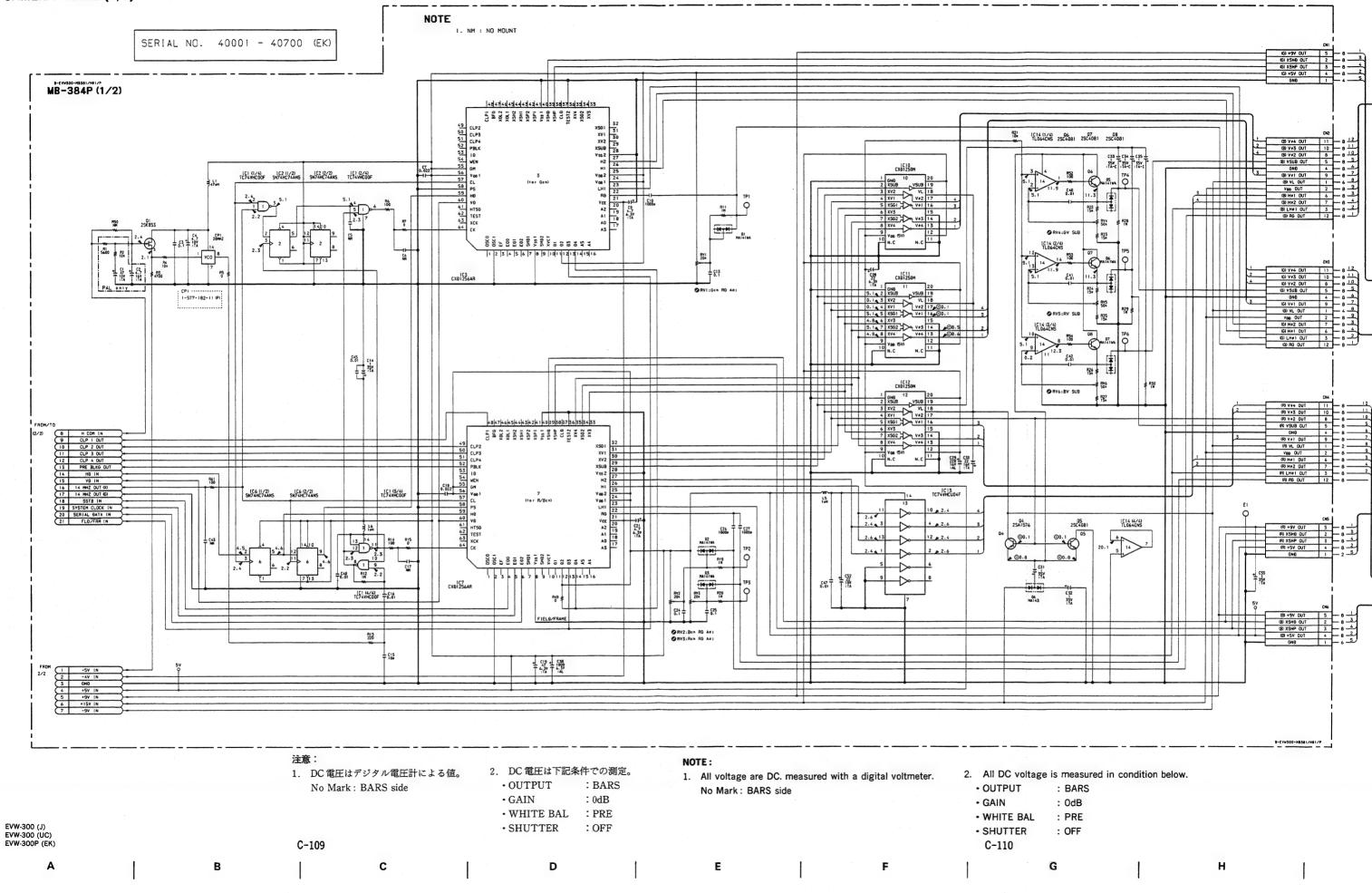
B-384/384P (1/2)



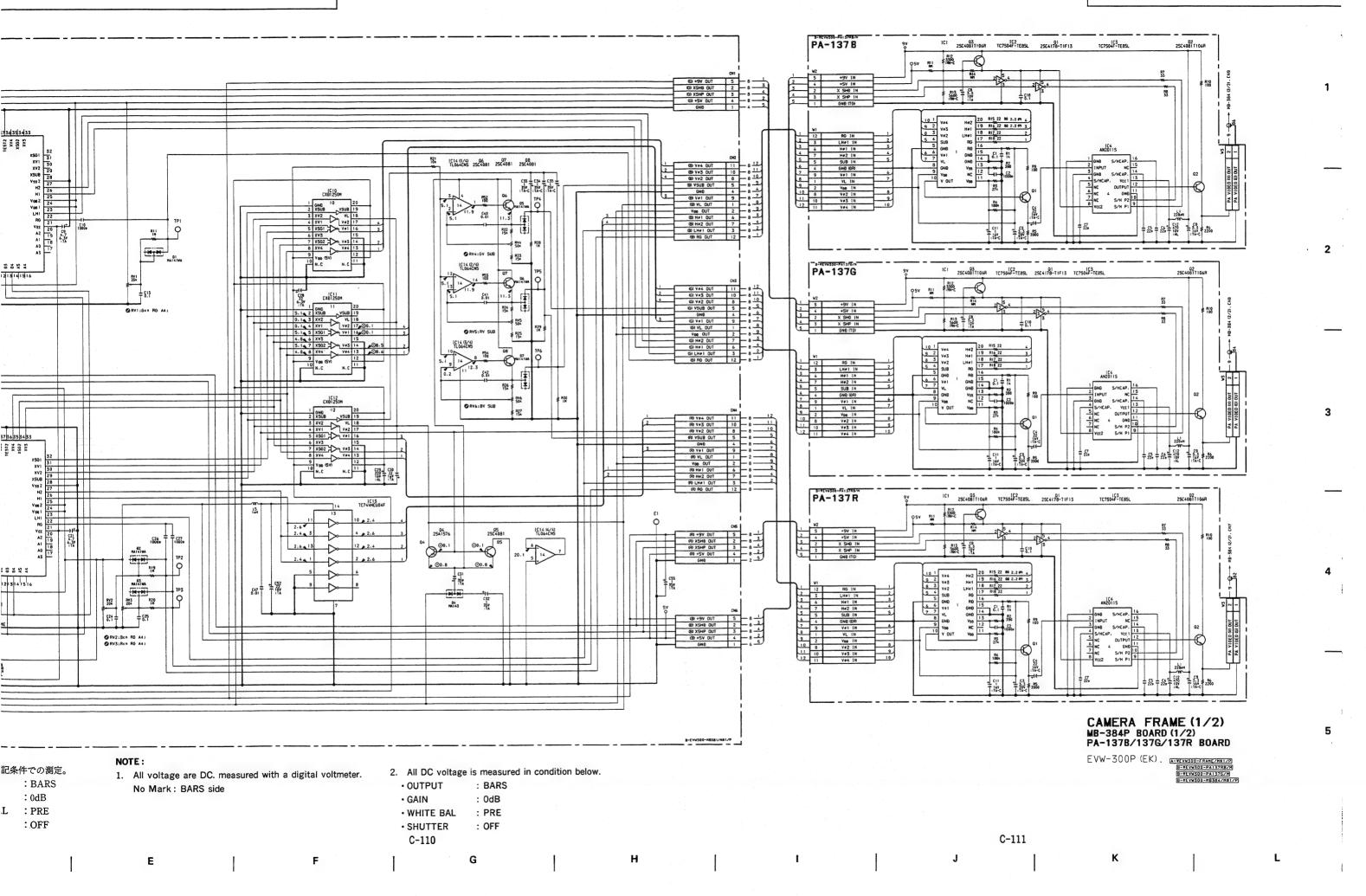




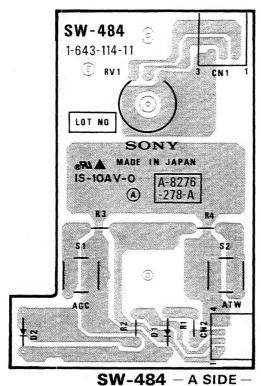




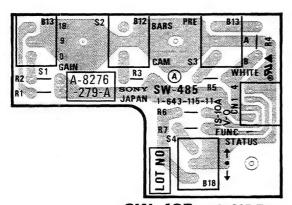
-384/384P (1/2)



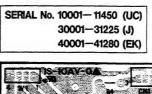
SW-484 BOARD SW-485 BOARD SW-506 BOARD SW-507 BOARD

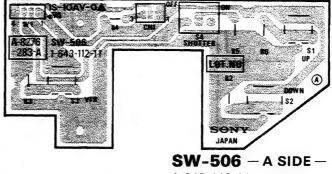


1-643-114-11 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

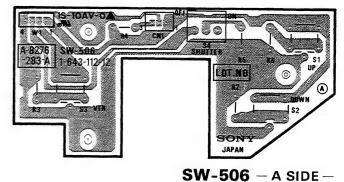


SW-485 — A SIDE — 1-643-115-11 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

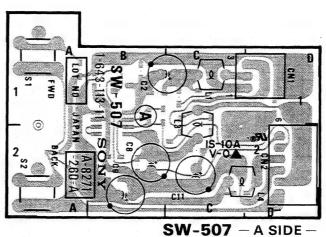




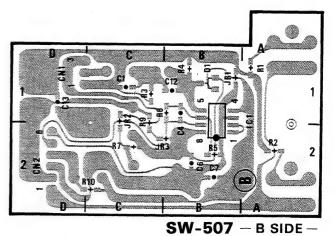
SW-506 — A S 1-643-112-11 EVW-300 (J) EVW-300 (UC) EVW-300P (EK) SERIAL No. 11451 and higher (UC) 31226 and higher (J) 41281 and higher (EK)



1-643-112-12 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)



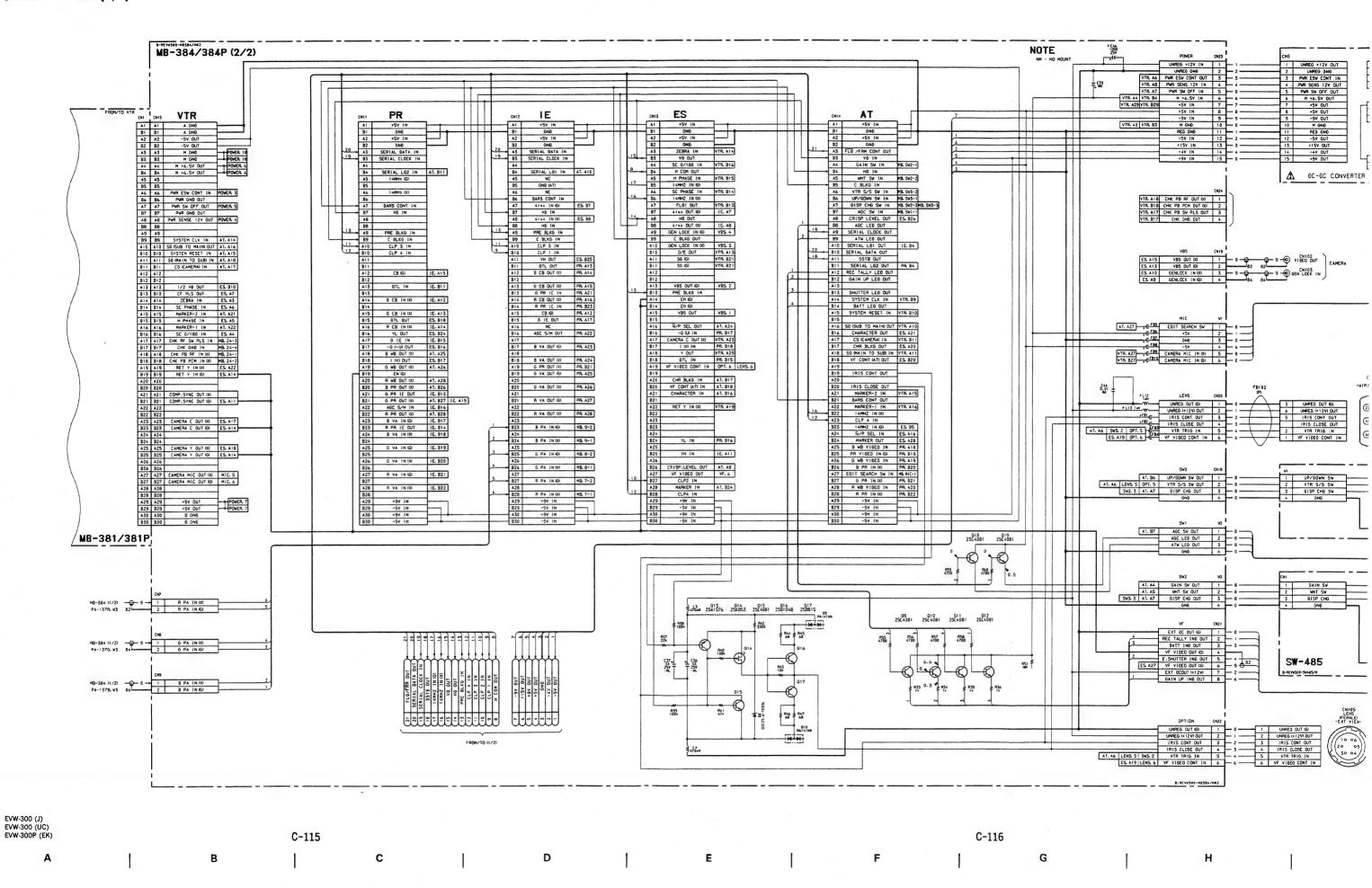
1-643-113-11 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

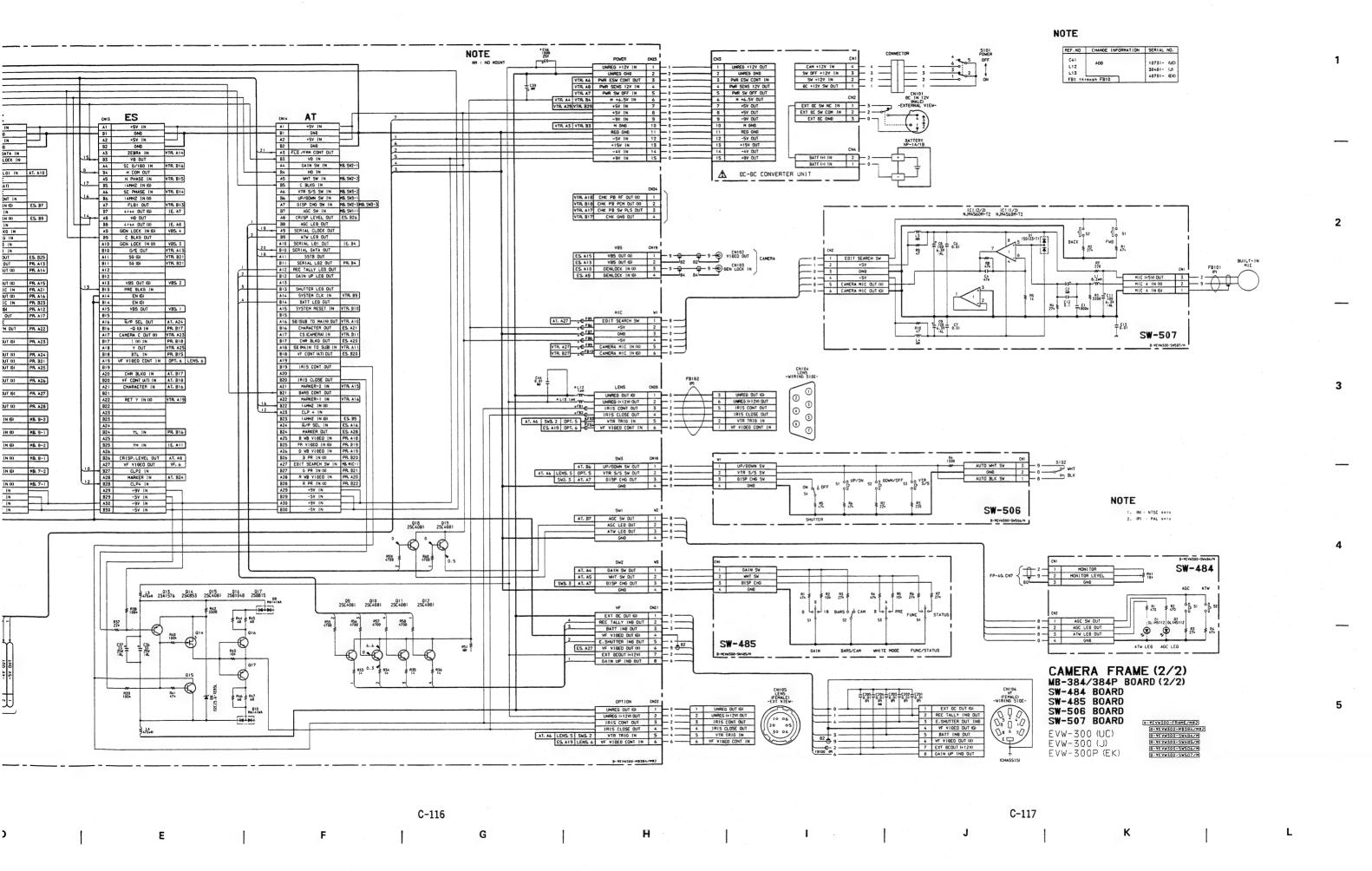


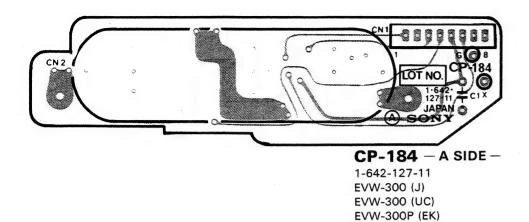
1-643-113-11 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

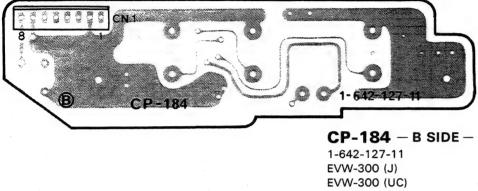
EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

### CAMERA FRAME (2/2)

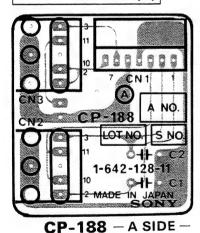






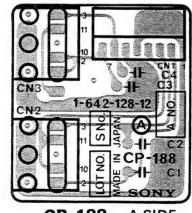


SERIAL No. 10001-11150 (UC) 30001-30955 (J) 40001-41050 (EK)



1-642-128-11 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

SERIAL No. 11151 and higher (UC) 30956 and higher (J) 41051 and higher (EK)

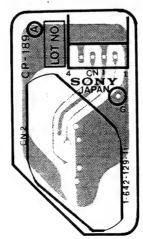


**CP-188** - A SIDE -1-642-128-12 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)



1-643-585-11 EVW-300 (J) EVW-300 (UC) EVW-300P (EK) JAPAN

SERIAL No. 10001-- 11150 (UC) 30001-30955 (J) 40001-41050 (EK)



**CP-189** - A SIDE -1-642-129-11 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

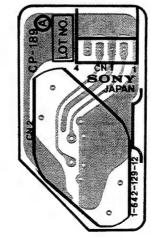
SERIAL No. 11151 and higher (UC) 30956 and higher (J) 41051 and higher (EK)

MB-381 BOARD CP-184 BOARD

CP-188 BOARD

CP-189 BOARD

CP-221 BOARD



**CP-189** — A SIDE — 1-642-129-12 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

В

BC

MB-381 BOARD SERIAL No. 10001-11150 (UC) 30001-30955 (J) 40001-41050 (EK) D SONY MADE IN JAPAT 26 US CN3 STORE IN INCHA CHEST 15 20 

MB-381/381P - A SIDE -

1-642-125-11 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

MB-381/381P (1-642-125-11)

CN13 A-3

CN14 D-1 CN15 A-3

\*: B SIDE C-3 \*D11 A-2 +Q12 A-2 \*Q13 Q31 CN2 D-2 A-2 CN5 IC21 B-3 C-2 D-3 CN7 C-2 IC22 A-3 Q32 D-3 CN9 A-2 \*IC41 D-2 Q36 D-3 CN10 A-2 +IC42 D-2 Q37 D-3 CN11 A-3 CN12 A-3 Q41 D-1 \*L11 A-3

D-2

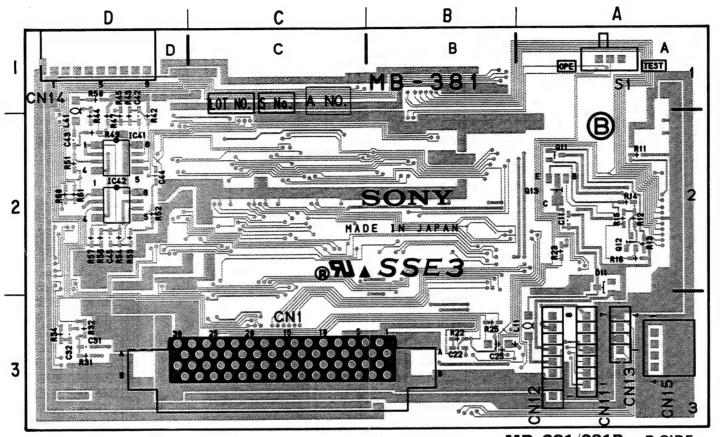
\*L41

\*Q11 A-2

S1

A-1

C-118

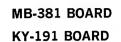


MB-381/381P - B SIDE -

1-642-125-11 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

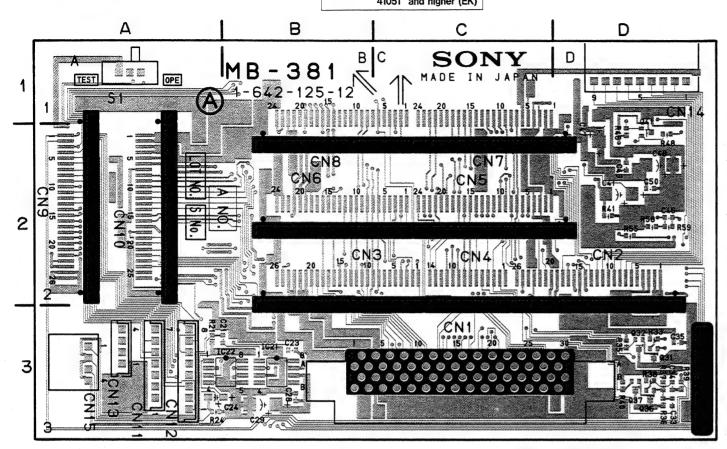
MB-381	/381P	(1-642-12	5-11)		
*: B S	IDE				
CN1	C-3	*D11	A-2	*Q12	A-2
CN2	D-2			*Q13	A-2
CN5	C-2	IC21	B-3	Q31	D-3
CN7	C-2	IC22	A-3	Q32	D-3
CN9	A-2	*IC41	D-2	Q36	D-3
CN10	A-2	*IC42	D-2	037	D-3
CN11	A-3			041	D-1
CN12	A-3	*L11	A-3		
CN13	A-3	*1.41	D-2	S1	A-1
CN14	D-1				
CN15	A-3	*Q11	A-2		

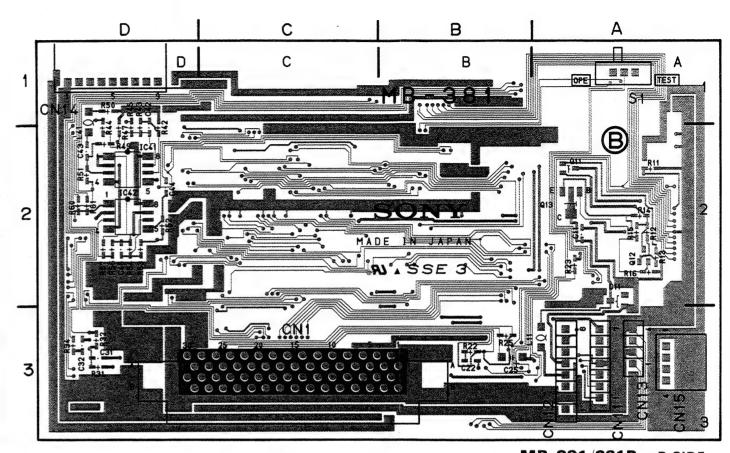
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SERIAL No. 11151 and higher (UC) 30956 and higher (J) 41051 and higher (EK)

MB-381 BOARD





### MB-381/381P - A SIDE -1-642-125-12

\*L41 D-2

\*Q11 A-2

EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

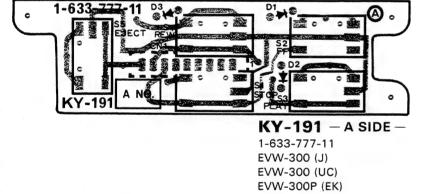
CN13 A-3 CN14 D-1

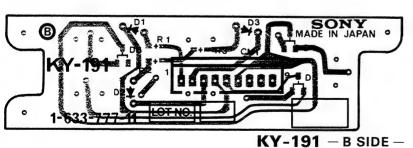
CN15 A-3

MB-381/381P - B SIDE -1-642-125-12 EVW-300 (J)

EVW-300 (UC)

EVW-300P (EK)



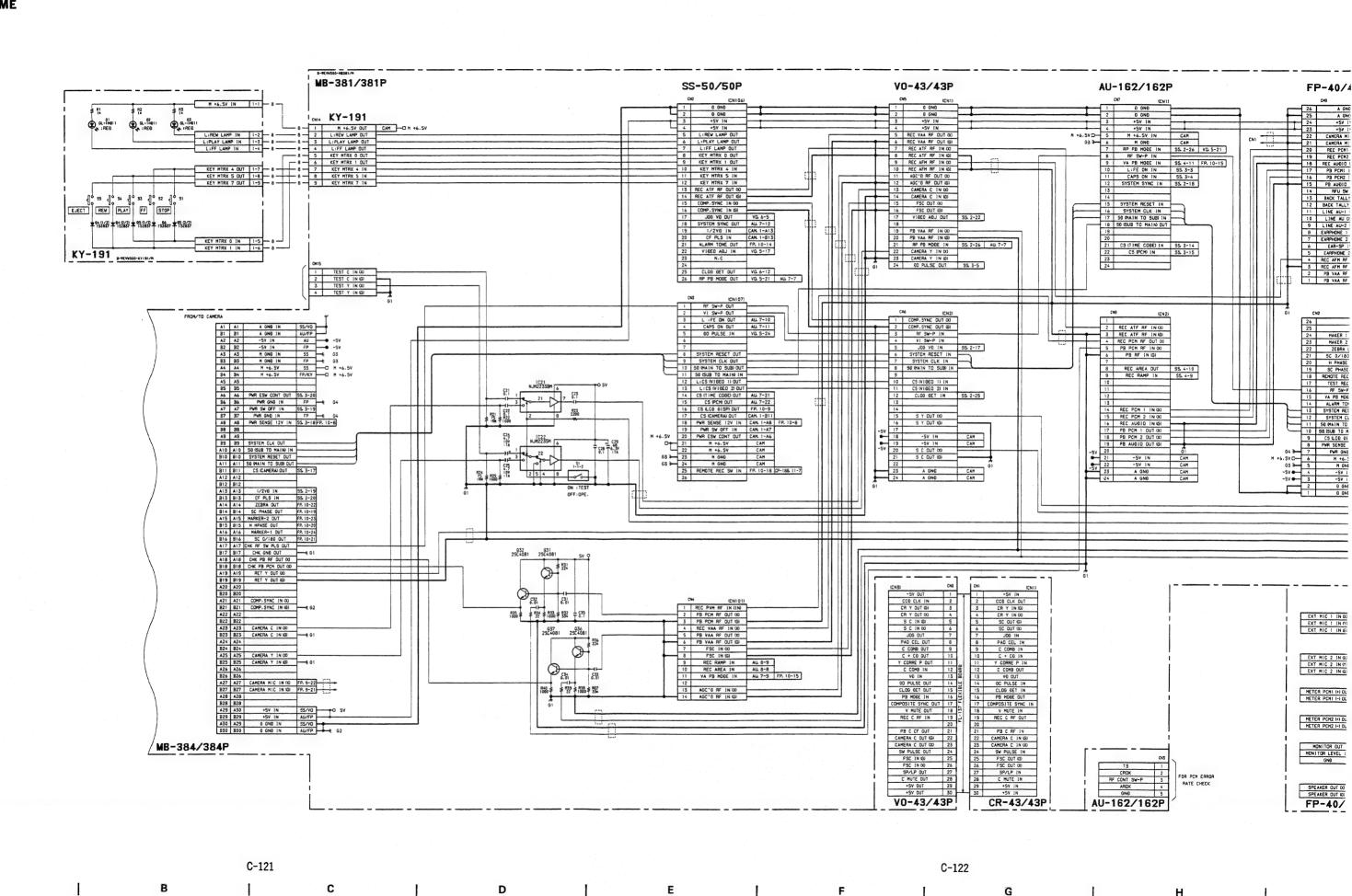


1-633-777-11 EVW-300 (J) EVW-300 (UC) EVW-300P (EK)

MB-381/381P (1-642-125-12)					MB-381	MB-381/381P (1-642-125-12)			
*: B S	SIDE					*: B S	SIDE		
CN1	C-3	*D11	A-2	+Q12	A-2	CN1	C-3	*D11	A-2
CN2	D-2			*Q13	A-2	CN2	D-2		
CN5	C-2	IC21	B-3	Q31	D-3	CN5	C-2	IC21	B-3
CN7	C-2	IC22	A-3	Q32	D-3	CN7	C-2	IC22	A-3
CN9	A-2	+IC41	D-2	036	D-3	CN9	A-2	*IC41	D-2
CN10	A-2	*IC42	D-2	037	D-3	CN10	A-2	*IC42	D-2
CN11	A-3			041	D-2	CN11	A-3		
CN12		+1.11	A-3			CN12	A-3	*L11	A-3

S1 A-1

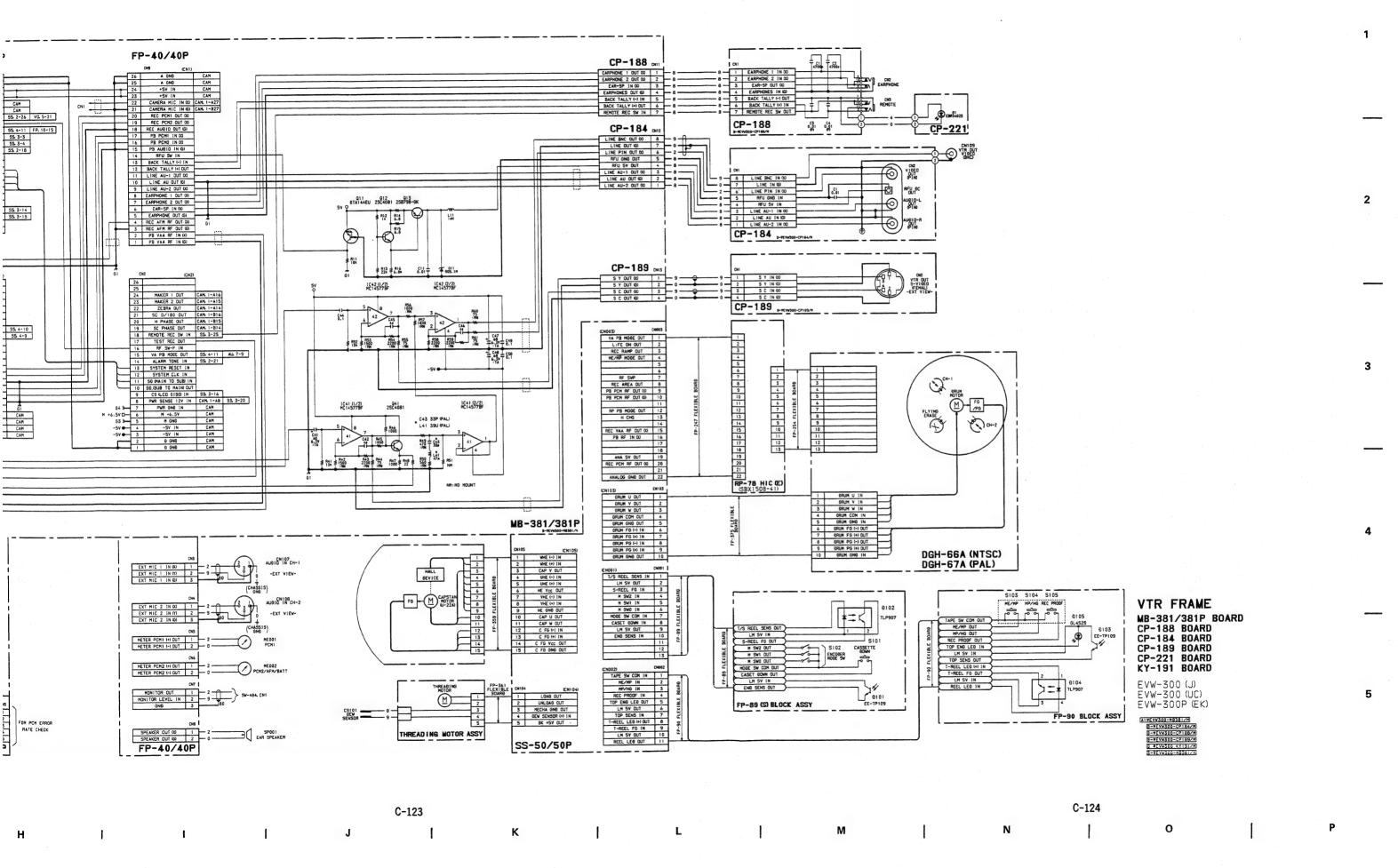
MB-381	/381P	(1-642-12	5-12)		
*: B S	IDE				
CN1	C-3	*D11	A-2	*Q12	A-2
CN2	D-2			*Q13	A-2
CN5	C-2	IC21	B-3	Q31	D-3
CN7	C-2	IC22	A-3	Q32	D-3
CN9	A-2	*IC41	D-2	Q36	D-3
CN10	A-2	*IC42	D-2	Q37	D-3
CN11	A-3			Q41	D-2
CN12	A-3	*L11	A-3		
CN13	A-3	*L41	D-2	S1	A-1
CN14	D-1				
CN15	A-3	+011	A-2		



Н

99

EVW-300 (J) EVW-300 (UC) EVW-300P (EK)



## SECTION D SPARE PARTS

### **PARTS INFORMATION**

### 1. Safety Related Component Warning

Components indentified by shading marked with on the schematic diagrams, exploded views and electrical spare parts list are critical to safe operation. Replace these components with Sony parts whose parts numbers appear as shown in this manual or in service manual supplements published by Sony.

- 2. Replacement Parts supplied from Sony Parts Center will sometimes have different shape and outside view from the parts which actually in use. This is due to "accommodating the improved parts and/or engineering changes" or "standardization of genuine parts." This manual's exploded view and electrical spare parts lists are indicating the parts numbers of "the standardized genuine parts at present." Regarding engineering parts and diagrams changes in our engineering department, refer to SONY service bulletins and service manual supplements.
- 3. The parts marked with "S" in the SP column of the exploded views and electrical spare parts list are normaly required for routine service work. Orders for parts marked with "O" will be processed, but allow for additional delivery time.
- 4. Item with no parts number and/or no description are not stocked because they are seldom required for routine service.
- All capacitors are in micro farads unless otherwise specified.
   All inductors are in micro henries unless otherwise specified.
   All resistors are in ohms.
- 6. As for the spare parts list of DXF-501/501CE, refer to the service manual of the DXC-537/537P.

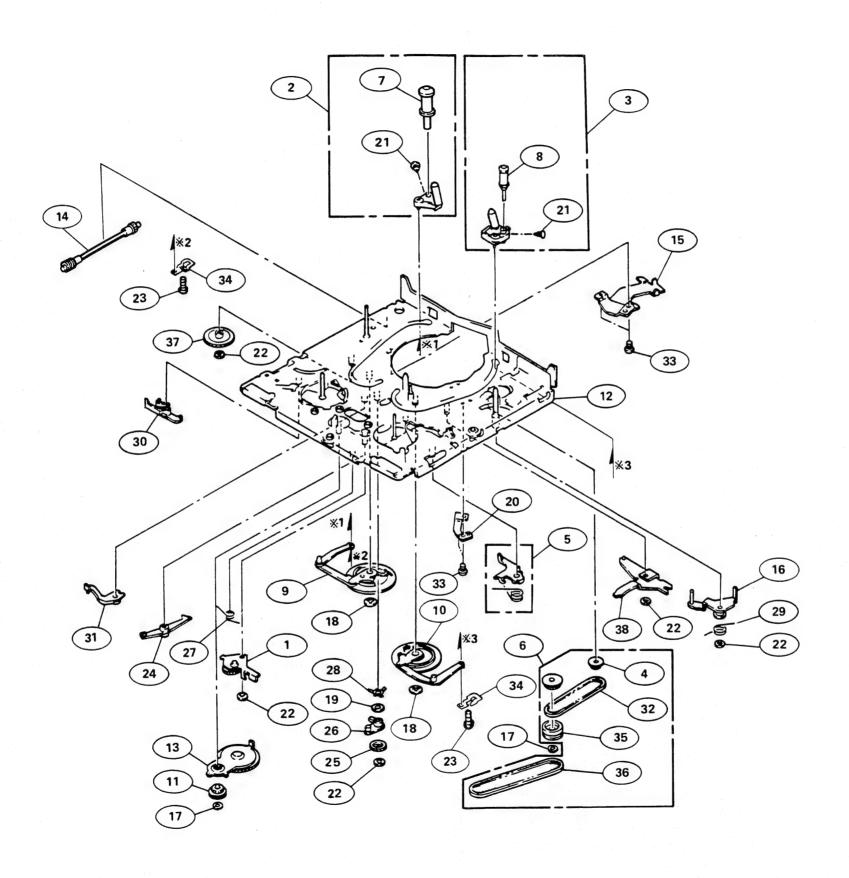
### REPAIR PARTS KIT FOR MECHANISM CHASSIS

	mechanism chassis kits are heavily damaged mechanism		
Part No. 3 A-7040-298-A A-7040-300-A A-7040-302-A	SP Description  s U/U' MECHANISM CHASSIS KIT (1) s U' MECHANISM CHASSIS KIT (3) s U' MECHANISM CHASSIS BLOCK ASSY	A-7040-207-B A-7040-225-C X-3686-482-5 X-3726-808-4 X-3728-857-2	ROLLER BLOCK ASSY, HC GEAR BLOCK ASSY, LB BASE ASSY, DRUM BRAKE ASSY, TS STOPPER ASSY, TENSION REGULATOR
Fixtures Requi 7-662-010-08 7-661-018-18	s SONY GREASE (SGL-701) s OIL (NT-68) (50CC)	X-3728-863-2 X-3728-864-1 X-3940-278-1 X-3940-279-1 1-808-505-23	LEVER ASSY, SW GROUND ASSY, SHAFT REINFORCEMENT (SS) ASSY ARM ASSY, PINCH SUB SENSER DEW CONDENSATION
Constitution of e Motor and casset in the kit.	each kit is shown below. te compartment are not included	3-686-493-01 3-726-805-04 3-726-829-01 3-726-865-03 3-726-895-01	SCREW (M2X5) P1 REINFORCEMENT (TT) WASHER, STOPPER SPRING (LB), TORSION SPRING
U/U' MECHANISM CI	HASSIS KIT (1) (A-7040-298-A)	3-728-842-03 3-728-868-07 3-732-087-32 3-741-195-02 3-945-599-01	LEVER, EJECT GUARD, GUIDE SCREW (M1.4X1.8), SPECIAL HEAD PLATE, BLIND, RK MANUAL, INSTRUCTION
A-7040-219-B AK X-3728-851-3 TAI X-3728-855-6 TAI X-3728-859-1 BAI X-3728-867-1 ARJ	M BLOCK SSY, PINCH BLE ASSY, REEL, S BLE ASSY, REEL, T ND ASSY, TENSION REGULATOR M ASSY (S), TENSION REGULATOR	7-627-853-27 7-627-853-68	SCREW, PRECISION +P2X3 TYPE 3 SCREW, PRECISION +P2X6 YTPE 3
X-3728-869-4 ARI 3-321-393-11 WAS 3-669-465-01 WAS 3-726-848-01 RE 3-726-852-02 BR	M ASSY, TG7 SHER, STOPPER SHER (1.5), STOPPER TAINER, TL AKE, LB	u' MECHANISM	CHASSIS BLOCK ASSY (A-7040-302-A)
	VER, LB N, SHAFT RETAINER RING (RK), TORSION RING (ST), TORSION	A-7040-204-F A-7040-206-A A-7040-217-C X-3726-805-1 X-3726-813-5	COASTER (LEFT) BLOCK ASSY CHASSIS BLOCK ASSY, MECHANICAL COASTER (RIGHT)BLOCK ASSY (N1P) GEAR ASSY, JOINT PULLEY (UPPER) ASSY, MIDWAY
3-726-883-02 ROI 3-726-884-01 FL	LLER, TG2 ANGE, UPPER, TG2 EEVE, TG2 RING, COMPRESSION	X-3728-843-4 X-3728-858-3	GEAR (RIGHT) ASSY, DRIVE GEAR ASSY, RC GEAR ASST. RK
3-728-848-05 ARI 3-728-849-01 BR/ 3-728-850-04 BR/	M, LB RELEASE AKE, S AKE, T M, RK STOPPER	3-669-465-01 3-701-436-21	WASHER, STOPPER WASHER (1.5), STOPPERE WASHER (1.6), POLYETHLENE WASHER, STOPPER SCREW (M1.4X4), (THREE LOCK)
3-728-875-02 ST0 3-728-998-01 SCI 3-732-087-32 SCI 3-736-414-01 SPI	OPPER, RK REW M2X3, SPECIAL HEAD REW M1.4X1.8, SPECIAL HEAD	3-726-854-01 3-726-856-04 3-726-857-03 3-726-867-01 3-728-851-01	ARM, UL SPRING, LEAF
- CLU GOO GI MIL	, 1,01,101,101	3-736-485-04 3-741-196-02	BELT (S), TIMING SPRING, LEAF, COASTER PULLEY (LOWER), BELT MIDWAY BELT (L), TIMING GEAR, WHEEL

3-941-322-01 LEVER, LOADING

EXPLODED VIEW

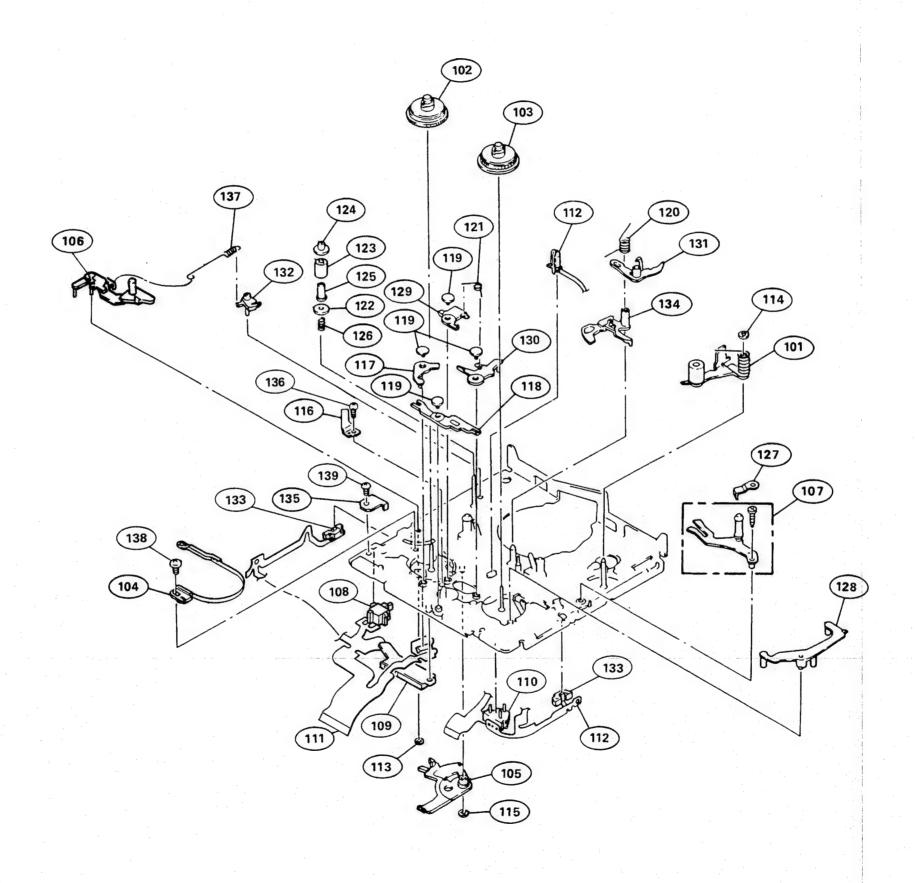
Threading Drive Block



```
Part No.
                                                                           SP Description
  No.
                            A-7040-130-A s GEAR BLOCK ASSY, LB
A-7040-204-H s COASTER (LEFT) BLOCK ASSY
A-7040-217-F s COASTER (RIGHT)BLOCK ASSY(N1P)
X-3726-805-1 s GEAR ASSY, JOINT
X-3726-808-3 s BRAKE ASSY, TS
                           X-3726-813-4 s PULLEY (UPPER) ASSY, MIDWAY
X-3726-879-5 s ROLLER ASSY ((U)-NB), GUIDE
X-3728-808-4 s ROLLER ASSY (U) (PLATING), GUIDE
X-3728-842-1 s GEAR (LEFT) ASSY, DRIVE
X-3728-843-1 s GEAR (RIGHT) ASSY, DRIVE
 10
                           X-3728-858-2 s GEAR ASSY, RC
X-3728-862-1 s CHASSIS ASSY, MECHANICAL
X-3728-866-1 s GEAR ASSY, RK
X-3940-276-2 s WORM ASSY
X-3940-278-1 s REINFORCEMENT (SS) ASSY
12
13
14
15
                          X-3940-279-1 s ARM ASSY, PINCH SUB
3-321-393-11 s WASHER, STOPPER
3-669-465-00 s WASHER (1.5), STOPPER
3-701-436-21 s WASHER, POLYEHTHYLENE
3-726-805-01 o REINFORCEMENT (TT)
16
17
18
19
20
                           3-726-822-03 s SCREW (M1.4X2) (STEP), HEAD
3-726-829-01 s WASHER, STOPPER
3-726-830-01 s SCREW (M1.4X4) (THREE LOCK)
3-726-854-01 s ARM, BRAKE RELEASE
3-726-856-04 s GEAR, UL
21
22
23
24
25
                          3-726-857-03 s ARM, UL
3-726-865-01 s SPRING (LB), TORSION
3-726-867-01 s SPRING, LEAF
3-726-895-01 s SPRING
3-728-842-01 s LEVER, EJECT
26
27
28
29
30
                          3-728-851-01 s BRAKE, UL
3-728-866-11 s BELT (S), TIMING
3-732-087-31 s SCREW (M1.4X1.8), SPECIAL HEAD
3-736-485-04 s SPRING, LEAF, COASTER
3-741-196-02 s PULLEY (LOWER), BELT MIDWAY
31
32
33
34
35
                          3-741-197-01 s BELT (L), TIMING
3-744-109-01 s GEAR, WHEEL
3-941-322-01 s LEVER, LOADING
```

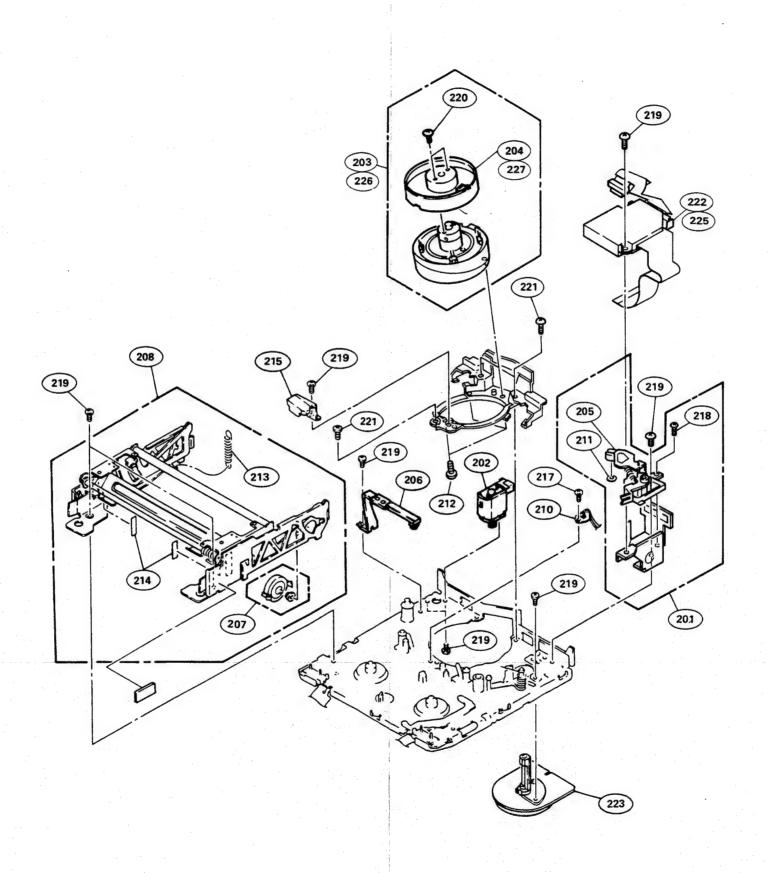
```
No.
                        Part No.
                                                                   SP Description
                        A-7040-219-A S ARM BLOCK ASSY, PINCH
X-3728-851-1 S TABLE ASSY, REEL, S
X-3728-855-6 S TABLE ASSY, REEL, T
X-3728-859-1 S BAND ASSY, TENSION REGULATOR
X-3728-863-1 S LEVER ASSY, SW
 102
 103
                        X-3728-867-1 s ARM ASSY (S), TENSION REGULATOR X-3728-869-1 s ARM ASSY, TG7 1-571-099-11 s SWITCH 1-572-173-11 s SWITCH, SLIDE (ENCODER) 1-572-298-11 s SWITCH, PUSH
 107
 108
 109
                        1-628-060-12 s FLEXIBLE CARD WIRE, FP-89
1-628-061-12 s FLEXIBLE CARD WIRE, FP-90
3-321-393-11 s WASHER, STOPPER
3-669-465-00 s WASHER (1.5), STOPPER
3-726-829-01 s WASHER, STOPPER
111
112
113
114
                        3-726-848-01 s RETAINER, TL
3-726-852-01 s BRAKE, LB
3-726-853-01 s LEVER, LB
3-726-858-01 s PIN, SHAFT RETAINER
3-726-864-01 s SPRING (RK), TORSION
116
117
118
 119
                        3-726-866-01 s SPRING (ST), TORSION
3-726-882-02 s FLANGE, LOWER, TG2
3-726-883-01 s ROLLER, TG2
3-726-884-01 s FLANGE, UPPER, TG2
3-726-885-01 s SLEEVE, TG2
121
122
123
124
125
                        3-726-886-01 s SPRING, COMPRESSION
3-728-808-01 s SPRING, LEAF
3-728-848-01 s ARM, LB RELEASE
3-728-849-01 s BRAKE, S
3-728-850-01 s BRAKE, T
126
127
128
129
                        3-728-852-02 s ARM, RK STOPPER
3-728-855-03 s ARM, ADJUSTMENT
3-728-869-02 s HOLDER, SENSOR
3-728-875-01 s STOPPER, RK
3-730-125-01 s RETAINER, SW
132
133
134
                        3-732-087-31 s SCREW (M1.4X1.8), SPECIAL HEAD 3-736-414-01 s SPRING, TENSION 7-627-553-37 s SCREW, PRECISION +P 2X3 7-627-555-88 s SCREW, PRECISION +P 1.4X1.8
137
138
```

# Reel Table Block and Tension Regulator



EVW-300 (J, UC) EVW-300P (EK) D-7

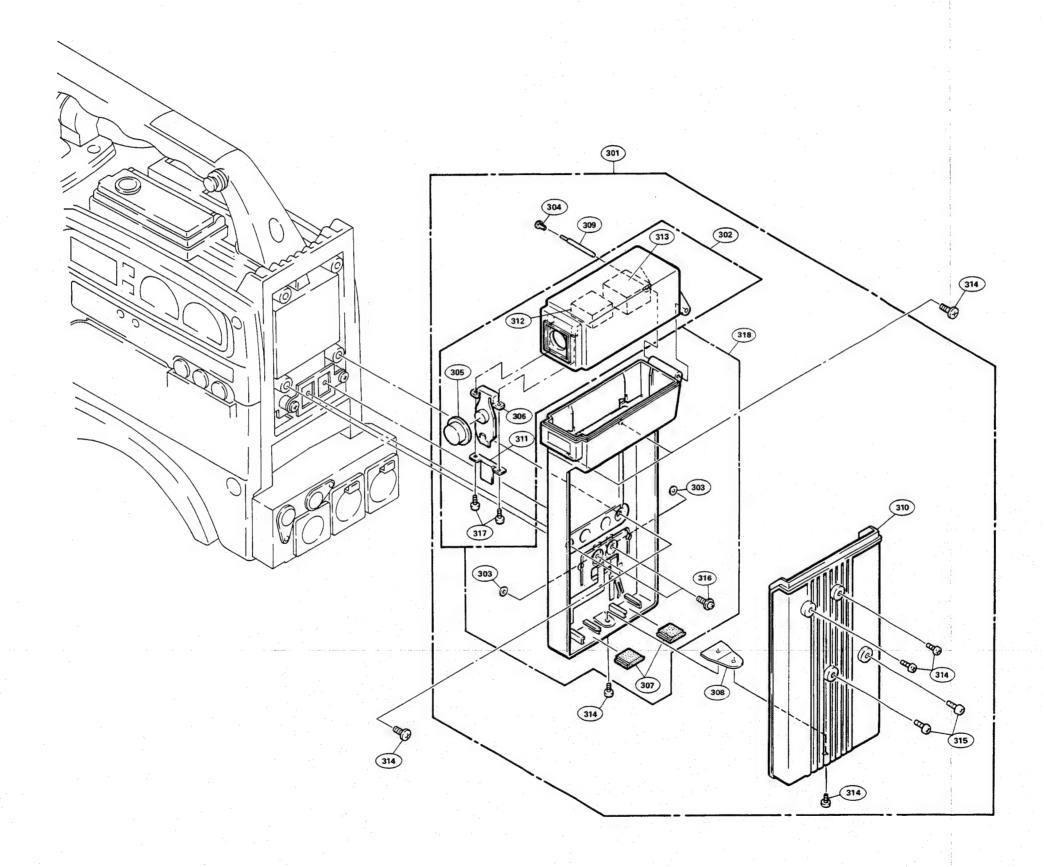
## Head Drum and Cassette-Up Compartment



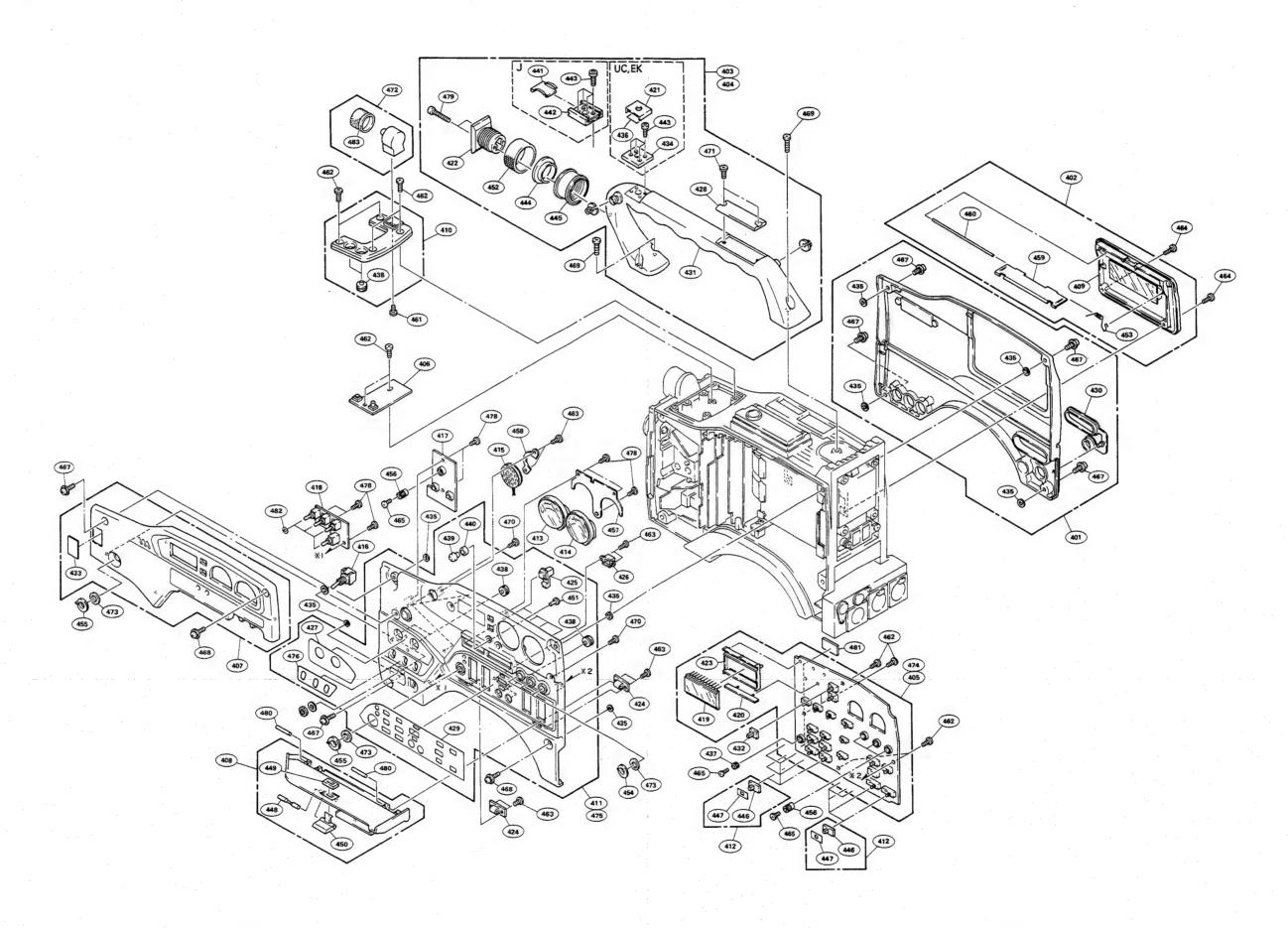
D-10

```
Part No.
                                               SP Description
No.
                A-7040-205-A S ROLLER BLOCK ASSY (RP), HC A-7040-208-A S MOTOR ASSY, THREADING A-7048-362-A S DRUM ASSY, LOWER (DGU-66A-R)
201
202
203
                A-7049-312-A s DRUM ASSY, ROTARY (DGR-66-R)
204
                                                                                                             (FOR EVW-300)
205
                 X-3728-861-1 s ROLLER ASSY, HC
                 X-3728-864-1 s GROUND ASSY, SHAFT
X-3726-836-3 s DAMPER ASSY
X-3940-095-1 s CASSETTE COMPARTMENT ASSY (N)
1-808-505-12 s SENSOR, DEW CONDENSATION
206
207
208
210
                 3-321-393-11 s WASHER, STOPPER
3-686-493-01 s SCREW (M2X5), P1
3-728-825-03 s SPRING, TENSION
3-728-829-01 o TAPE
3-728-868-01 s GUARD, GUIDE
211
212
213
214
215
217
218
219
220
                 3-732-087-31 s SCREW (M1.4X1.8), SPECIAL HEAD 7-627-555-88 s SCREW, PRECISION +P 1.4X1.8 7-627-853-27 s PRECISION SCREW +P 2X3 TYPE 3 7-627-853-57 s PRECISION SCREW +P 2X5 TYPE 3
                 7-627-853-68 s SCREW, PRECISION +P 2X6 TYPE3
8-741-101-34 s SBX1508-41 BOARD (FOR EVW-300)
8-835-331-31 s MOTOR, DC U-22A
8-741-101-35 s SBX1508-51 BOARD (FOR EVW-300P)
221
222
223
225
                A-7048-364-A s DRUM ASSY, LOWER (DGU-67A-R) (FOR EVW-300P)
A-7049-313-A s DRUM ASSY, ROTARY (DGR-67-R)
226
227
                                                                                                           (FOR EVW-300P)
```

No.	Part No. SP Description
304	A-6703-651-C s CASE ASSY, BATTERY X-3717-701-3 o COVER ASSY, TOP, BATTERY 3-669-596-00 s WASHER (2.3), STOPPER 3-703-075-00 s CAP 2, SHAFT 3-717-702-01 s PUSH BUTTON
307 308	3-717-703-03 s HOOK 3-717-707-02 o CUSHION (2) 3-717-708-01 o RETAINER, CASE 3-717-709-01 o SHAFT, LID 3-718-040-01 o COVER (1), BATTERY CASE
313 314	3-718-172-01 o RETAINER, HOOK 3-729-720-01 o CUSHION (LEFT) 3-729-721-01 o CUSHION (RIGHT) 7-682-546-09 s SCREW +B 3X5 7-682-559-09 s SCREW +B 4X5
316 317 318	7-682-948-01 s SCREW +PSW 3X8 7-685-133-19 s SCREW +P 2.6X6 TYPE2 X-3717-742-5 o CASE SUB ASSY, BATTERY



## Side Plate and Handle Assy



```
Part No.
                                                             SP Description
No.
                   A-8262-396-C o PANEL ASSY, L
A-8262-398-A o LID ASSY, CASSETTE COMPARTMENT
A-8262-402-A o HANDLE ASSY
(FOR EVW-300; UC/EVW-300P; EK)
A-8262-403-A o HANDLE ASSY (FOR EVW-300; J)
A-8271-250-A o MOUNTED CIRCUIT BOARD, FP-40
(FOR EVW-300)
                                                                                                                                                                                                      451
                                                                                                                                                                                                                             3-718-694-01 s PIN, PUSH BUTTON
                                                                                                                                                                                                                            3-720-919-01 o RUBBER, LOCK RING
3-721-174-01 s SPRING, TORSION
3-724-754-02 s KNOB (R), VR
3-724-755-03 s KNOB (F), VR
                                                                                                                                                                                                      452
402
                                                                                                                                                                                                      453
                                                                                                                                                                                                      454
                                                                                                                                                                                                       455
                                                                                                                                                                                                                            3-744-304-01 s KNOB (SUPPORT)
3-744-310-01 o BRACKET, METER
3-744-311-01 o HOLDER, SP
3-744-314-03 s DOOR, CASSETTE
3-744-315-01 s SHAFT, DOOR
                                                                                                                                                                                                      456
457
458
                     A-8271-260-A 0 MOUNTED CIRCUIT BOARD, SW-507
X-3166-641-2 s PAD ASSY, R
X-3166-642-1 s COVER ASSY, R PANEL
X-3166-643-1 s LID SUB ASSY
X-3166-645-1 o HANDLE (BASE) ASSY
407
                                                                                                                                                                                                      459
                                                                                                                                                                                                      460
 408
 409
                                                                                                                                                                                                                            7-621-255-65 s SCREW +P 2X10
7-621-770-87 s SCREW +B 2.6X5
7-621-772-08 s SCREW +B 2X3
7-621-772-40 s SCREW +B 2X8
7-627-552-37 s SCREW, PRECISION +P1.7X3
                                                                                                                                                                                                       462
                     X-3166-646-5 o PANEL SUB ASSY, R (FOR EVW-300)
X-3722-416-1 s KNOB (A) (ORANGE) ASSY, SW
1-520-495-11 s METER, LEVEL
1-520-495-21 s METER, LEVEL
1-544-312-11 s SPEAKER (DIA. 20)
                                                                                                                                                                                                       463
                                                                                                                                                                                                      464
 413
                                                                                                                                                                                                       465
 414
                                                                                                                                                                                                                             3-178-213-21 s SCREW +B 3X10
3-178-213-31 s SCREW +B 3X12
7-682-563-09 s SCREW +B 4X12
7-685-133-19 s SCREW +BTP 2.6X6 TYPE2 N-S
                                                                                                                                                                                                       467
                                                                                                                                                                                                       468
                      1-552-504-00 s SWITCH, TOGGLE "POWER"
1-643-114-11 o PRINTED CIRCUIT BOARD, SW-484
1-643-115-11 o PRINTED CIRCUIT BOARD, SW-485
1-807-981-11 s DISPLAY PANEL, LIQUID CRYSTAL
1-808-016-11 s LED MODULE
                                                                                                                                                                                                       469
                                                                                                                                                                                                       470
 417
                                                                                                                                                                                                                           7-685-546-19 s SCREW +BTP 3X8 TYPE2 N-S
8-814-250-10 s MICROPHONE, BUILT-IN C-2025A
3-176-488-01 s VR SHEET
A-8271-336-A o MOUNTED CIRCUIT BOARD, FP-40P
(FOR EVW-300P)
X-3166-697-5 o PANEL(P) SUB ASSY, R
(FOR EVW-300P)
 418
419
                                                                                                                                                                                                       471
                                                                                                                                                                                                       472
                                                                                                                                                                                                       473
                      2-277-468-01 o PLATE, ORNAMENTAL, CAMERA SHOE
(FOR EVW-300;UC/EVW-300P;EK)
3-168-335-01 o SHOE (2), VF SLIDE
3-171-678-01 o HOLDER, LCD
3-175-616-01 s SUPPORT, HINGE
3-175-618-01 s KNOB, POSITION
 421
                                                                                                                                                                                                       475
 423
 424
                                                                                                                                                                                                                             3-176-043-01 o LABEL (B)
7-621-773-86 s SCREW +B 2.6X4
7-683-427-04 s BOLT, HEXAGON SOCKET 4X25
3-722-651-01 o PIN, PARALLEL
9-911-841-99 s CUSHION, RUBBER
                                                                                                                                                                                                       478
                      3-175-621-01 s PLATE, LOCK
3-175-624-01 o LABEL (A)
3-175-628-01 o LID, HANDLE
3-175-658-01 o LABEL (3) (FOR EVW-300)
3-175-666-01 s COVER, PJ RUBBER
 426
427
                                                                                                                                                                                                       479
                                                                                                                                                                                                        480
                                                                                                                                                                                                       481
  428
                                                                                                                                                                                                                              3-312-823-00 s PACKING, KNOB
X-2536-714-1 o WIND SCREEN ASSY
                                                                                                                                                                                                       483
                      3-175-673-01 o HANDLE

3-176-128-01 s KNOB, SW

3-176-516-01 o LABEL, FILTER

3-657-700-00 s BRACKET, ACCESSORY

(FOR EVW-300;UC/EVW-300P;EK)

3-669-596-00 s WASHER (2.3), STOPPER
 432
433
  435
                      3-672-213-00 o SHEET, ADHESIVE
(FOR EVW-300;UC/EVW-300P;EK)
3-676-088-00 o SHAFT, KNOB
3-676-244-00 s COVER, SWITCH
3-686-084-01 s PUSH BUTTON
3-686-086-01 s CUSHION, BUTTON
  436
  437
  438
                       3-688-754-01 o SPRING (FOR EVW-300; J)
3-688-755-11 o SHOE ACCESSORY (FOR EVW-300; J)
3-689-039-11 s BOLT (M2X6), HOLE, HEXAGON
3-710-018-01 o COLLAR, SLIDE
3-679-543-11 o RING (D), LOCK
  442
  443
  444
  445
                       3-717-900-01 s KNOB (A) (TC), SW
3-717-902-31 o PLATE, ORNAMENTAL
3-717-940-01 s SHAFT, TC LEVER
3-717-941-01 s RUBBER, TC LEVER
3-717-942-11 s LEVER, TC
  446
  447
  448
  449
```

### FRONT UNIT ASSY

```
Part No.
                                                              SP Description
No.
                     A-7575-201-A s CCD UNIT-EVW300(N) (FOR EVW-300) *1
A-8276-283-A o MOUNTED CIRCUIT BOARD, SW-506
X-3166-644-1 o PANEL ASSY, FRONT
1-547-463-11 o FILTER UNIT, OPTICAL
1-554-174-00 s SWITCH, KEYBOARD
"UP/ON" "DOWN/OFF" "VTR"
501
502
503
504
                      1-554-486-00 s SWITCH, TOGGLE "WHT/BLK"
1-561-320-00 s CONNECTOR, DIN 8P FEMALE "VF"
1-570-984-11 s SWITCH, TOGGLE "SHUTTER ON/OFF"
3-312-823-00 s PACKING, KNOB
3-672-221-02 s PACKING, CONTROL
506
507
 508
 509
                      3-676-244-00 s COVER, SWITCH
3-678-629-00 s LEVER, MOUNT
3-699-047-01 s KNOB, FILTER
3-699-144-02 s CAP, MOUNT
3-701-506-01 s SET SCREW, DOUBLE POINT 3X4
511
512
513
514
515
516
517
518
519
520
                      7-621-775-10 s SCREW +B 2.6X4
7-623-307-01 s LW 2.6, TYPE (A)
7-627-452-28 s SCREW, PRECISION +K 2X4
7-627-556-37 s SCREW, PRECISION +P 2.6X4 TYPE1
7-682-547-04 s SCREW +B 3X6
                      7-682-551-09 s SCREW +B 3X14
3-176-706-01 o CLAMP, CABLE
A-7575-202-A s CCD-UNIT-EVW-300P(P) (FOR EVW-300P) *2
3-178-213-01 s SCREW +B 3X6
3-178-213-41 s SCREW +B 3X14
521
522
523
525
526
                       7-621-773-86 s SCREW +B 2.6X4
527
```

```
*1 CCD BLOCK NUMBER; CAA XXXX
*2 CCD BLOCK NUMBER; CBA XXXX
```

How to read the CCD BLOCK NUMBER

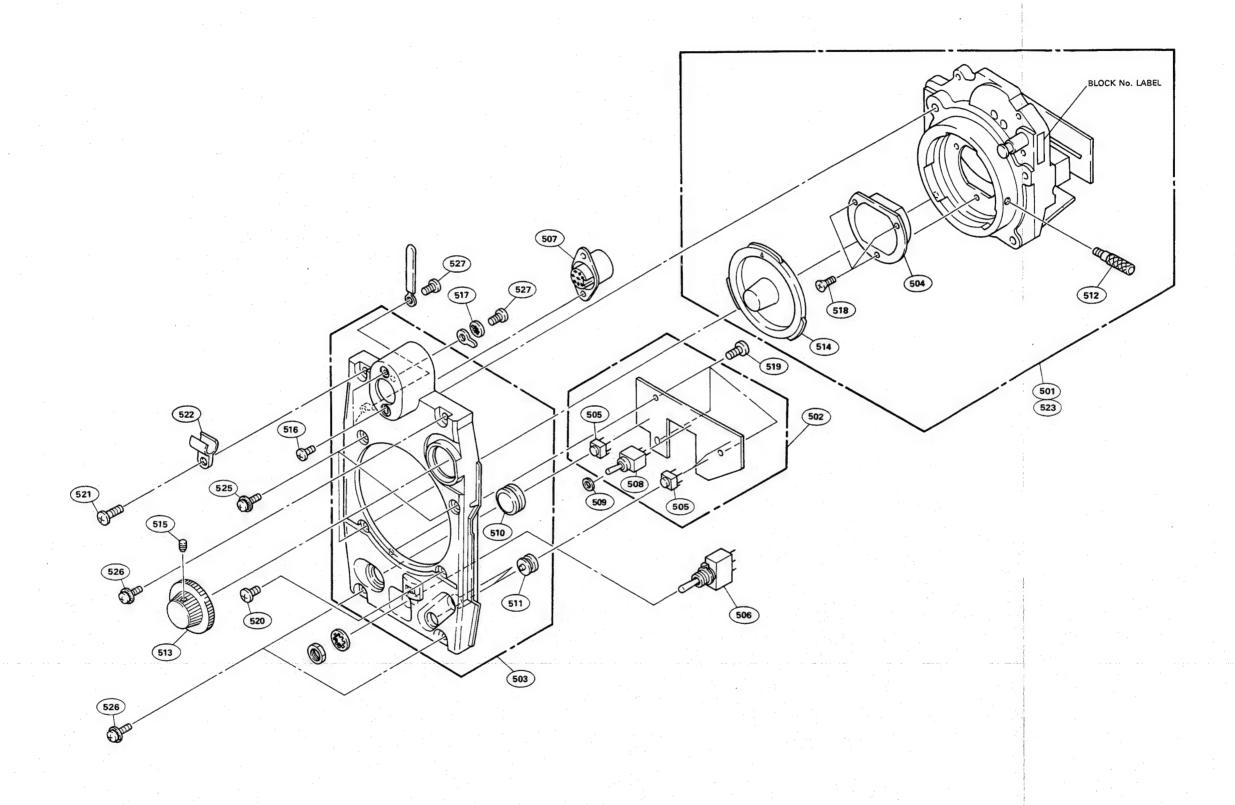
```
CCD type

A A XXXX

Block number of CCD UNIT

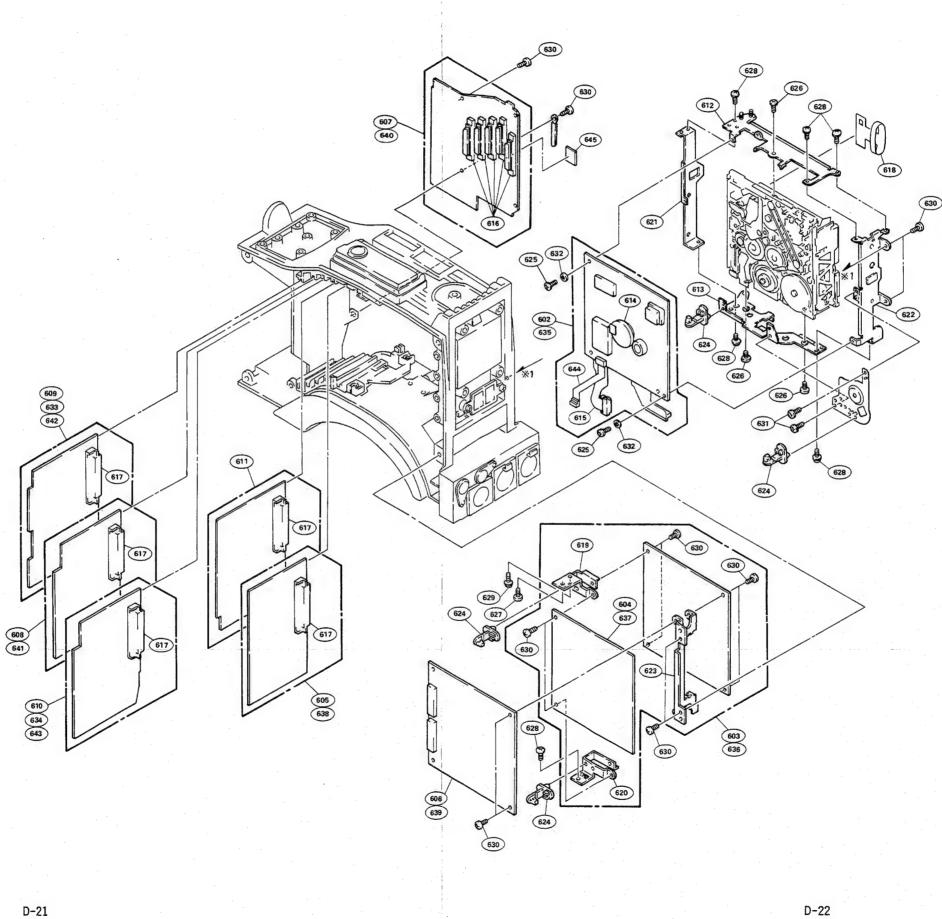
Suffix of Spare Part number

(A:EVW-300, B:EVW-300P)
```



EVW-300 (J, UC) EVW-300P (EK)

## **Printed Circuit Boards**



```
SP Description
                     Part No.
No.
602
               AA-8271-251-A o MOUNTED CIRCUIT BOARD, SS-50
                                                                                                                             (FOR EVW-300)
                    A-8271-252-A O MOUNTED CIRCUIT BOARD, VO-43
(FOR EVW-300)
603
                    A-8271-253-A o MOUNTED CIRCUIT BOARD, CR-43
(FOR EVW-300)
A-8271-254-A o MOUNTED CIRCUIT BOARD, MB-381
(FOR EVW-300)
604
605
                   A-8271-255-A o MOUNTED CIRCUIT BOARD, AU-162
(FOR EVW-300)
A-8271-261-A o MOUNTED CIRCUIT BOARD, MB-384
(FOR EVW-300)
A-8271-262-A o MOUNTED CIRCUIT BOARD, IE-33
(FOR EVW-300)
A-8271-263-A o MOUNTED CIRCUIT BOARD, PR-159
(FOR EVW-300;UC)
BOARD, ES-4
(FOR EVW-300;UC)
606
607
608
609
610
                    A-8271-264-A o MOUNTED CIRCUIT BOARD, AT-70
X-3166-665-1 o SUPPORT (UPPER) ASSY, MD
X-3166-666-1 o SUPPORT (LOWER) ASSY, MD
1-528-229-11 o BATTERY, LITHIUM (CR-2450)
1-637-680-11 o FLEXIBLE CARD WIRE, FP-375
611
612
613
615
                    1-691-855-11 s CONNECTOR, BOARD TO BOARD 60P
1-691-856-11 s CONNECTOR, BOARD TO BOARD 60P
3-166-824-01 s RIBBON (2), LID RETAINER
3-175-619-01 o SUPPORT (UPPER), PC BOARD
3-175-620-01 o SUPPORT (LOWER), PC BOARD
616
617
618
619
620
                    3-175-638-01 o SUPPORT (RIGHT), MD
3-175-639-03 o SUPPORT (LEFT), MD
3-175-650-01 o SUPPORT (RIGHT), PC BOARD
3-175-660-01 o HINGE, PC BOARD
7-621-773-86 s SCREW +B 2.6X4
622
623
624
626
                     3-744-603-01 s SCREW
                    7-621-259-25 s SCREW +P 2.6X4
7-621-259-35 s SCREW +P 2.6X5
7-621-259-45 s SCREW +P 2.6X6
7-621-770-87 s SCREW +B 2.6X5
627
628
629
              7-621-772-08 s SCREW +B 2X3
7-623-307-01 s LW 2.6 TYPE (A)
A-8271-265-A o MOUNTED CIRCUIT BOARD, PR-159
(FOR EVW-300; J)
A-8271-266-A o MOUNTED CIRCUIT BOARD, ES-4
(FOR EVW-300; J)
A-8271-337-A o MOUNTED CIRCUIT BOARD, SS-50P
(FOR EVW-300P)
632
633
634
                   A-8271-338-A O MOUNTED CIRCUIT BOARD, VO-43P

A-8271-339-A O MOUNTED CIRCUIT BOARD, CR-43P

(FOR EVW-300P)

A-8271-342-A O MOUNTED CIRCUIT BOARD, MB-381P

(FOR EVW-300P)

A-8271-340-A O MOUNTED CIRCUIT BOARD, AU-162P

(FOR EVW-300P)

A-8271-341-A O MOUNTED CIRCUIT BOARD, AU-162P

(FOR EVW-300P)
636
637
638
639
                    A-8271-341-A o MOUNTED CIRCUIT BOARD, MB-384P (FOR EVW-300P)
640
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641 A-8271-344-A O MOUNTED CIRCUIT BOARD, IE-33P
(FOR EVW-300P)
642 A-8271-343-A O MOUNTED CIRCUIT BOARD, PR-159P
(FOR EVW-300P)
643 A-8271-345-A O MOUNTED CIRCUIT BOARD, ES-4P
(FOR EVW-300P)
644 1-637-683-11 O FLEXIBLE CARD WIRE, FP-361
645 9-911-840-99 S CUSHION
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No.
                     Part No.
                                                         SP Description
               A-8262-399-A s KY ASSY
A-8262-401-A s PAD ASSY, SHOULDER
X-3166-640-1 o PLATE ASSY, REAR
X-3664-212-2 s SHOE ASSY (B), T
Al-466-716-11 s CONVERTER UNIT, DC-DC
 701
 702
703
 704
                     1-507-980-21 s JACK, STEREO MINIATURE "REMOTE" "EAR"
 706
                    "REMOTE" "EAR"

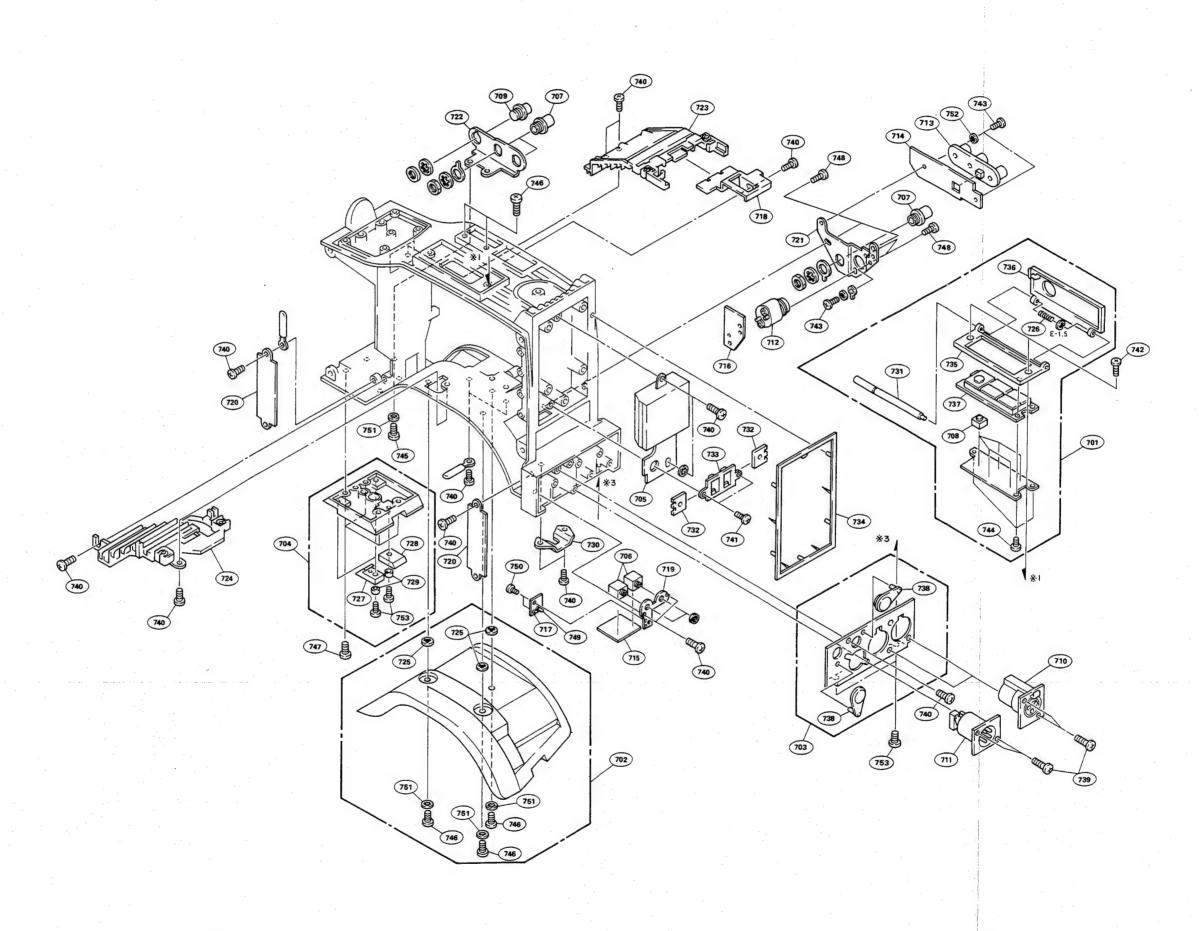
1-509-891-00 s CONNECTOR, BNC
"VTR VIDEO" "CAMERA VIDEO" "GENLOCK"

1-554-371-51 s SWITCH, TACT
"EJECT" " F FWD" "REW" "STOP" "PLAY"

1-562-222-41 s CONNECTOR 6P FEMALE "LENS"

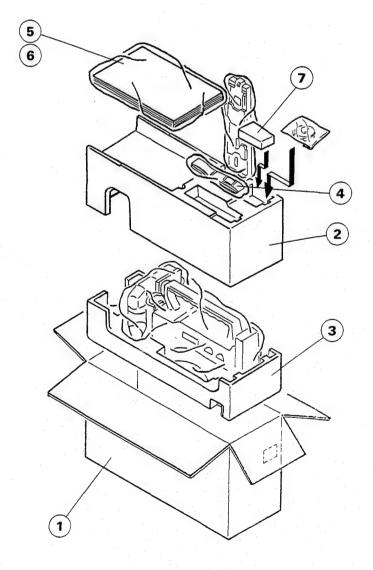
1-563-029-21 s CONNECTOR 3P FEMALE
"AUDIO IN CH1" "AUDIO IN CH2"
707
708
709
710
                    1-564-603-11 s CONNECTOR (WITH DC SW) 4P MALE "DC IN 12V"
1-573-590-12 s CONNECTOR, 4P FEMALE "S VIDEO"
1-569-556-11 s JACK "VIDEO/RFU DC OUT/AUDIO-L.R"
1-642-127-11 o PRINTED CIRCUIT BOARD, CP-184
1-642-128-12 o PRINTED CIRCUIT BOARD, CP-188
711
712
713
714
715
                    1-642-129-12 o PRINTED CIRCUIT BOARD, CP-189
1-643-585-11 o PRINTED CIRCUIT BOARD, CP-221
3-175-617-01 o SUPPORT, GUIDE
3-175-622-01 o BRACKET, JACK
3-175-623-01 s STRAP
716
717
718
719
                    3-175-625-01 o SUPPORT, CONNECTOR
3-175-640-01 o BRACKET, CONNECTOR
3-175-662-02 o GUIDE (UPPER), PC BOARD
3-175-663-02 o GUIDE (LOWER), PC BOARD
3-669-596-00 s WASHER (2.3), STOPPER
721
722
723
724
726
727
728
729
730
                     3-673-281-00 o SPRING, COMPRESSION
3-675-963-02 s FOOT, FRONT, RUBBER
3-675-964-01 s FOOT, REAR, RUBBER
3-675-965-01 s SPACER (2.6X2)
3-699-176-01 o STOPPER (2)
731
732
733
734
735
                     3-717-854-01 o SHAFT, KEY BOARD COVER 3-717-996-04 s TERMINAL BOARD
                    3-718-028-01 o HOLDER, TERMINAL
3-718-032-01 s SHEET, RUBBER, DROP PROTECTION
3-718-042-21 o FRAME, KEY BOARD
                    3-718-043-23 o COVER, KEY BOARD
3-718-044-01 s COVER, KEY BOARD RUBBER
3-724-730-02 s RUBBER (EA), DROP PROTECTION
7-621-259-52 s SCREW +P 2.6X8
7-621-770-87 s SCREW +B 2.6X5
736
737
738
739
740
                    741
742
743
744
                    7-682-548-04 s SCREW +B 3X8
7-682-561-09 s SCREW +B 4X8
7-685-645-79 s SCREW +BVTP 3X6
8-719-902-27 s DIODE EBR3402S
746
747
 748
 749
                     7-621-772-18 s SCREW +B 2X4
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7-623-308-07 s LW3, TYPE(A) 7-623-305-07 s LW2, TYPE(A) 7-621-775-20 s SCREW +B 2.6X5



### PACKING MATERIAL AND ACCESSORIES

# EVW-300K/300L/300PK/300PL



# **ELECTRICAL PARTS LIST**

RESISTOR, CHIP METAL	RESISTOR, CHIP METAL
Part No. SP Description	Part No. SP Description
1-216-864-11 s RES, CHIP METAL 0 5% 1/16W 1-216-789-11 s RES, CHIP METAL 2.2 5% 1/16W 1-216-790-11 s RES, CHIP METAL 2.7 5% 1/16W 1-216-791-11 s RES, CHIP METAL 3.3 5% 1/16W 1-216-793-11 s RES, CHIP METAL 4.7 5% 1/16W	1-216-831-11 s RES, CHIP METAL 6.8K 5% 1/16W 1-218-344-11 s RES, CHIP METAL 7.5K 5% 1/16W 1-216-832-11 s RES, CHIP METAL 8.2K 5% 1/16W 1-218-345-11 s RES, CHIP METAL 9.1K 5% 1/16W 1-216-833-11 s RES, CHIP METAL 10K 5% 1/16W
1-216-794-11 s RES, CHIP METAL 5.6 5% 1/16W 1-216-795-11 s RES, CHIP METAL 6.8 5% 1/16W 1-216-796-11 s RES, CHIP METAL 8.2 5% 1/16W 1-216-797-11 s RES, CHIP METAL 10 5% 1/16W 1-216-798-11 s RES, CHIP METAL 12 5% 1/16W	1-218-330-11 s RES, CHIP METAL 11K 5% 1/16W 1-216-834-11 s RES, CHIP METAL 12K 5% 1/16W 1-216-994-11 s RES, CHIP METAL 13K 5% 1/16W 1-216-835-11 s RES, CHIP METAL 15K 5% 1/16W 1-218-291-11 s RES, CHIP METAL 16K 5% 1/16W
1-216-799-11 s RES, CHIP METAL 15 5% 1/16W 1-216-801-11 s RES, CHIP METAL 22 5% 1/16W 1-216-802-11 s RES, CHIP METAL 27 5% 1/16W 1-216-803-11 s RES, CHIP METAL 33 5% 1/16W 1-216-804-11 s RES, CHIP METAL 39 5% 1/16W	1-216-836-11 s RES, CHIP METAL 18K 5% 1/16W 1-218-292-11 s RES, CHIP METAL 20K 5% 1/16W 1-216-837-11 s RES, CHIP METAL 22K 5% 1/16W 1-218-293-11 s RES, CHIP METAL 24K 5% 1/16W 1-216-838-11 s RES, CHIP METAL 27K 5% 1/16W
1-216-805-11 s RES, CHIP METAL 47 5% 1/16W 1-216-806-11 s RES, CHIP METAL 56 5% 1/16W 1-216-807-11 s RES, CHIP METAL 68 5% 1/16W 1-218-285-11 s RES, CHIP METAL 75 5% 1/16W 1-216-808-11 s RES, CHIP METAL 82 5% 1/16W	1-218-294-11 s RES, CHIP METAL 30K 5% 1/16W 1-216-839-11 s RES, CHIP METAL 33K 5% 1/16W 1-216-840-11 s RES, CHIP METAL 39K 5% 1/16W 1-218-295-11 s RES, CHIP METAL 43K 5% 1/16W 1-216-841-11 s RES, CHIP METAL 47K 5% 1/16W
1-218-286-11 s RES, CHIP METAL 91 5% 1/16W 1-216-809-11 s RES, CHIP METAL 100 5% 1/16W 1-216-810-11 s RES, CHIP METAL 120 5% 1/16W 1-216-811-11 s RES, CHIP METAL 150 5% 1/16W 1-216-812-11 s RES, CHIP METAL 180 5% 1/16W	1-218-331-11 s RES, CHIP METAL 51K 5% 1/16W 1-216-842-11 s RES, CHIP METAL 56K 5% 1/16W 1-216-843-11 s RES, CHIP METAL 68K 5% 1/16W 1-218-296-11 s RES, CHIP METAL 75K 5% 1/16W 1-216-844-11 s RES, CHIP METAL 82K 5% 1/16W
1-216-813-11 s RES, CHIP METAL 220 5% 1/16W 1-216-814-11 s RES, CHIP METAL 270 5% 1/16W 1-218-288-11 s RES, CHIP METAL 300 5% 1/16W 1-216-815-11 s RES, CHIP METAL 330 5% 1/16W 1-218-269-11 s RES, CHIP METAL 360 5% 1/16W	1-218-347-11 s RES, CHIP METAL 91K 5% 1/16W 1-216-845-11 s RES, CHIP METAL 100K 5% 1/16W 1-218-348-11 s RES, CHIP METAL 110K 5% 1/16W 1-216-846-11 s RES, CHIP METAL 120K 5% 1/16W 1-218-332-11 s RES, CHIP METAL 130K 5% 1/16W
1-216-816-11 s RES, CHIP METAL 390 5% 1/16W 1-218-482-11 s RES, CHIP METAL 430 5% 1/16W 1-216-817-11 s RES, CHIP METAL 470 5% 1/16W 1-218-289-11 s RES, CHIP METAL 510 5% 1/16W 1-216-818-11 s RES, CHIP METAL 560 5% 1/16W	1-216-847-11 s RES, CHIP METAL 150K 5% 1/16W 1-216-848-11 s RES, CHIP METAL 180K 5% 1/16W 1-216-849-11 s RES, CHIP METAL 220K 5% 1/16W 1-218-349-11 s RES, CHIP METAL 240K 5% 1/16W 1-216-850-11 s RES, CHIP METAL 270K 5% 1/16W
1-220-373-11 s RES, CHIP METAL 620 5% 1/16W 1-216-819-11 s RES, CHIP METAL 680 5% 1/16W 1-218-484-11 s RES, CHIP METAL 750 5% 1/16W 1-216-820-11 s RES, CHIP METAL 820 5% 1/16W 1-218-457-11 s RES, CHIP METAL 910 5% 1/16W	1-216-851-11 s RES, CHIP METAL 330K 5% 1/16W 1-216-852-11 s RES, CHIP METAL 390K 5% 1/16W 1-218-448-11 s RES, CHIP METAL 430K 5% 1/16W 1-216-853-11 s RES, CHIP METAL 470K 5% 1/16W 1-216-854-11 s RES, CHIP METAL 560K 5% 1/16W
1-216-821-11 s RES, CHIP METAL 1K 5% 1/16W 1-218-270-11 s RES, CHIP METAL 1.1K 5% 1/16W 1-216-822-11 s RES, CHIP METAL 1.2K 5% 1/16W 1-216-823-11 s RES, CHIP METAL 1.5K 5% 1/16W 1-216-824-11 s RES, CHIP METAL 1.8K 5% 1/16W	1-216-855-11 s RES, CHIP METAL 680K 5% 1/16W 1-216-856-11 s RES, CHIP METAL 820K 5% 1/16W 1-216-857-11 s RES, CHIP METAL 1M 5% 1/16W 1-216-858-11 s RES, CHIP METAL 1.2M 5% 1/16W 1-216-859-11 s RES, CHIP METAL 1.5M 5% 1/16W
1-218-271-11 s RES, CHIP METAL 2K 5% 1/16W 1-216-825-11 s RES, CHIP METAL 2.2K 5% 1/16W 1-216-826-11 s RES, CHIP METAL 2.7K 5% 1/16W 1-216-865-11 s RES, CHIP METAL 3K 5% 1/16W 1-216-827-11 s RES, CHIP METAL 3.3K 5% 1/16W	1-216-860-11 s RES, CHIP METAL 1.8M 5% 1/16W 1-216-861-11 s RES, CHIP METAL 2.2M 5% 1/16W 1-216-862-11 s RES, CHIP METAL 2.7M 5% 1/16W 1-216-863-11 s RES, CHIP METAL 3.3M 5% 1/16W
1-216-828-11 s RES, CHIP METAL 3.9K 5% 1/16W 1-216-829-11 s RES, CHIP METAL 4.7K 5% 1/16W 1-218-272-11 s RES, CHIP METAL 5.1K 5% 1/16W 1-216-830-11 s RES, CHIP METAL 5.6K 5% 1/16W 1-218-290-11 s RES, CHIP METAL 6.2K 5% 1/16W	

AT-70 BO	 ARD		(AT-70 B	BOARD)	
Ref. No. or Q'ty	Part No. SP Description		Ref. No. or Q'ty	Part No. SP Description	
lpc 2pcs	A-8271-264-A O MOUNTED CIRCUIT BOARD, AT 7-627-554-27 S SCREW, PRECITION +P 2X6 T	TYPE1	C81 C82 C83	1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V	
C1 C4 C5 C6 C7	1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V 1-124-778-00 s ELECT 22uF 20% 6.3V 1-124-778-00 s ELECT 22uF 20% 6.3V 1-124-778-00 s ELECT 22uF 20% 6.3V 1-164-156-11 s CERAMIC 0 1nF 25V		C84 CN1 D1	1-128-394-11 s ELECT 220uF 20% 10V 1-691-856-11 s CONNECTOR, BOARD TO BOARD 60P 8-719-800-76 s DIODE 1SS226	
C8 C9 C10	1-124-778-00 \$ ELECT 22NF 20% 6.3V 1-164-156-11 \$ CERAMIC 0.1uF 25V 1-124-779-00 \$ ELECT 10uF 20% 16V 1-162-927-11 \$ CERAMIC, CHIP 100PF 5% 50 1-135-210-11 \$ TANTALUM 4.7uF 10% 10V	YO	D3 D4 D5	8-719-800-76 s DIODE 1SS226 8-719-800-76 s DIODE 1SS226 8-719-974-76 s DIODE HSM107S	
C11 C12 C13	1-135-210-11 s TANTALUM 4.7uF 10% 10V 1-164-156-11 s CERAMIC 0.1uF 25V 1-126-204-11 s ELECT 47uF 20% 16V 1-124-778-00 s ELECT 22uF 20% 6.3V		IC1 IC2 IC3 IC4 IC5	8-759-300-71 s IC MC14053BF 8-759-209-97 s IC TC4S81F 8-759-209-97 s IC TC4S81F 8-759-209-97 s IC TC4S81F	
C14 C16 C18 C19	1-124-778-00 S ELECT 22UF 20% 6.3V 1-126-204-11 S ELECT 47UF 20% 16V 1-126-206-11 S ELECT 100UF 20% 6.3V 1-162-957-11 S CERAMIC 220PF 5% 50V		IC6 IC8 IC9	8-759-906-53 s IC TL062CPS 8-759-700-07 s IC NJM2903M 8-759-209-97 s IC TC4S81F 8-759-052-65 s IC HD6413308F6	
C20 C22 C30 C31	1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V 1-124-778-00 s ELECT 22uF 20% 6.3V 1-124-778-00 s ELECT 22uF 20% 6.3V 1-164-156-11 s CERAMIC 0.1uF 25V		IC10 IC11 IC12	8-759-112-72 s IC UPD6142G-101 8-759-052-64 s IC M6M80011AFP 8-759-906-53 s IC TL062CPS	
C32 C33 C34	1-164-156-11 s CERAMIC 0.1uF 25V 1-164-156-11 s CERAMIC 0.1uF 25V 1-164-156-11 s CERAMIC 0.1uF 25V		IC13 IC14 IC15 IC19	8-759-635-27 s IC M62352GP 8-759-918-65 s IC TL7700CPS 8-759-295-93 o IC HN27C256-EVW300V1.05 8-759-209-15 s IC TC4SU69F	
C43 C45 C46	1-135-161-21 s TANTALUM, CHIP 22uF 10% 1 1-162-957-11 s CERAMIC 220PF 5% 50V 1-124-778-00 s ELECT 22uF 20% 6.3V	10V	IC20 IC21 IC22	8-759-209-15 s IC TC4SU69F 8-759-209-15 s IC TC4SU69F 8-759-209-90 s IC TC4S71F	
C47 C48 C49 C51	1-164-156-11 s CERAMIC 0.1uF 25V 1-124-779-00 s ELECT 10uF 20% 16V 1-126-193-11 s ELECT 1uF 20% 50V 1-124-778-00 s ELECT 22uF 20% 6.3V		IC23 IC25 IC26 IC27	8-759-209-90 s IC TC4S71F 8-759-948-48 s IC RH5RA50A 8-759-209-97 s IC TC4S81F	
C52 C53 C54	1-124-778-00 s ELECT 22uF 20% 6.3V I-126-204-11 s ELECT 47uF 20% 16V 1-135-166-21 s TANTALUM, CHIP 47uF 10% 1	LOV	IC27 IC28 IC29 IC30	8-759-071-41 s IC CXD8154BM 8-759-242-64 s IC TC4W53F 8-759-242-64 s IC TC4W53F 8-759-242-64 s IC TC4W53F	
C55 C56 C57	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 1-124-778-00 s ELECT 22uF 20% 6.3V 1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V	250	IC31	8-759-009-06 s IC MC14052BF	
C58 C59 C60 C62 C63	1-135-166-21 s TANTALUM, CHIP 47uF 10% 1 1-164-361-11 s CERAMIC 0.047uF 16V 1-124-778-00 s ELECT 22uF 20% 6.3V 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V	10V	L1 L2 L3 L4 L5	1-410-387-11 s INDUCTOR CHIP 33uH 1-410-387-11 s INDUCTOR CHIP 33uH 1-410-387-11 s INDUCTOR CHIP 33uH 1-410-387-11 s INDUCTOR CHIP 33uH 1-410-387-11 s INDUCTOR CHIP 33uH	
C64	1-164-156-11 s CERAMIC 0.1uF 25V		L6	1-410-389-31 s INDUCTOR CHIP 47uH	
C65 C66 C67 C68	1-164-156-11 s CERAMIC 0.1uF 25V 1-164-361-11 s CERAMIC 0.047uF 16V 1-164-361-11 s CERAMIC 0.047uF 16V 1-126-601-11 s ELECT 2.2uF 20% 50V		Q1 Q2 Q3 Q5 Q6	8-729-905-23 s TRANSISTOR 2SA1576R 8-729-905-23 s TRANSISTOR 2SA1576R 8-729-905-23 s TRANSISTOR 2SA1576R 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	
C69 C70 C72 C73 C74	1-126-601-11 s ELECT 2.2uF 20% 50V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 1-162-970-11 s CERAMIC, CHIP 0.01uF 10%	25V 25V 25V	Q7 Q8 Q9 Q10 Q11	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-905-23 s TRANSISTOR 2SA1576R 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	
C75 C76 C77 C78 C79	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 1-135-166-21 s TANTALUM, CHIP 47uF 10% 11-135-165-11 s TANTALUM, CHIP 33uF 10% 11-135-165-11 s TANTALUM, CHIP 34uF 10% 11-135-165-165-165-165-165-165-165-165-165-16	25V 25V LOV	Q12 Q13 Q14 Q15	8-729-142-90 s TRANSISTOR 2SK853-K5 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	
C80	1-162-970-11 s CERAMIC, CHIP 0.01uF 10%	25V	Q16	8-729-120-28 s TRANSISTOR 2SC1623-L5L6	

## (AT-70 BOARD)

Ref. No. or Q'ty	Part No. SP Description
Q17 Q18 Q20 Q21 Q22	8-729-117-72 s TRANSISTOR 2SC4178 8-729-905-23 s TRANSISTOR 2SA1576R 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q23 Q24 Q25 Q26 Q27	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-905-23 s TRANSISTOR 2SA1576R 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-905-23 s TRANSISTOR 2SA1576R
Q29	8-729-117-72 s TRANSISTOR 2SC4178
R7 R30 R33 R53 R61	1-218-724-11 s METAL 22K 0.50% 1/16W 1-218-724-11 s METAL 22K 0.50% 1/16W 1-218-724-11 s METAL 22K 0.50% 1/16W 1-218-714-11 s METAL 8.2K 0.50% 1/16W 1-218-724-11 s METAL 22K 0.50% 1/16W
R62 R71 R74 R81 R82	1-218-716-11 s METAL 10K 0.50% 1/16W 1-218-708-11 s METAL 4.7K 0.50% 1/16W 1-218-724-11 s METAL 22K 0.50% 1/16W 1-218-716-11 s METAL 10K 0.50% 1/16W 1-218-716-11 s METAL 10K 0.50% 1/16W
R83 R84 R85 R88 R89	1-218-716-11 s METAL 10K 0.50% 1/16W 1-218-716-11 s METAL 10K 0.50% 1/16W 1-218-716-11 s METAL 10K 0.50% 1/16W 1-218-710-11 s METAL 5.6K 0.50% 1/16W 1-218-714-11 s METAL 8.2K 0.50% 1/16W
R90 R91 R92 R93 R104	1-218-714-11 s METAL 8.2K 0.50% 1/16W 1-218-714-11 s METAL 8.2K 0.50% 1/16W 1-218-708-11 s METAL 4.7K 0.50% 1/16W 1-218-724-11 s METAL 22K 0.50% 1/16W 1-218-716-11 s METAL 10K 0.50% 1/16W
\$1 \$2 \$3 \$4	1-571-275-31 s SWITCH, SLIDE 1-571-275-31 s SWITCH, SLIDE 1-571-275-31 s SWITCH, SLIDE 1-571-275-31 s SWITCH, SLIDE
X1	1-579-728-11 s VIBRATOR, CRYSTAL 12.0MHz

## AU-162/162P BOARD

D 0 W	
Ref. No. or Q'ty	Part No. SP Description
1pc	A-8271-255-A o MOUNTED CIRCUIT BOARD, AU-162 [for EVW-300(J), EVW-300(UC)
1pc	A-8271-340-A o MOUNTED CIRCUIT BOARD, AU-162P [for EVW-300P(EK)
C1 C2	1-164-357-11 s CERAMIC 1000PF 5% 50V 1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V
C3 C4 C7	1-164-357-11 s CERAMIC 1000PF 5% 50V 1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V 1-126-206-11 s ELECT 100uF 20% 6.3V
C8 C9	1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V
C10 C11 C12	1-162-587-11 s CERAMIC 0.039uF 10% 25V 1-162-957-11 s CERAMIC 220PF 5% 50V
C13	1-162-968-11 s CERAMIC, CHIP 0.0047uF 10% 50V
C14 C15 C16	1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-164-174-11 s CERAMIC 0.0082uF 10% 25V
C17	1-164-471-11 s CERAMIC 680PF 5% 50V
C18 C19 C20	1-164-361-11 s CERAMIC 0.047uF 16V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-135-179-21 s TANTAL 2.2uF 10% 16V
C21 C22	1-135-211-11 s TANTALUM, CHIP 6.8uF 20% 6.3V 1-135-072-21 s TANTALUM, CHIP 0.22uF 10% 35V
C23 C24	1-126-206-11 s ELECT 100uF 20% 6.3V 1-126-206-11 s ELECT 100uF 20% 6.3V
C25 C26 C27	1-135-161-21 s TANTALUM, CHIP 22uf 10% 10V 1-135-161-21 s TANTALUM, CHIP 22uf 10% 10V 1-162-957-11 s CERAMIC 220PF 5% 50V
C28	1-162-587-11 s CERAMIC 0.039uF 10% 25V
C29 C30 C31	1-162-968-11 s CERAMIC, CHIP 0.0047uF 10% 50V 1-162-917-11 s CERAMIC, CHIP 15PF 5% 50V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V
C32 C33	1-135-179-21 s TANTAL 2.2uF 10% 16V 1-164-174-11 s CERAMIC 0.0082uF 10% 25V
C34 C35	1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-164-471-11 s CERAMIC 680PF 5% 50V
C36 C37	1-135-211-11 s TANTALUM, CHIP 6.8uF 20% 6.3V 1-135-072-21 s TANTALUM, CHIP 0.22uF 10% 35V
C38 C39	1-162-977-11 s CERAMIC 0.0018uF 10% 50V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V
C40 C41 C42	1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
C43 C44	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-109-814-11 s CAP 220PF
C45 C46	1-135-166-21 s TANTALUM, CHIP 47uF 10% 10V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V
C47	1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-162-977-11 s CERAMIC 0.0018uF 10% 50V
C49 C50	1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V
C51 C52	1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V
C53 C54	1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V
C55 C56 C57	1-164-361-11 s CERAMIC 0.047uF 16V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-135-211-11 s TANTALUM, CHIP 6.8uF 20% 6.3V

(AU-162/162P BOARD)	(AU-162/162P BOARD)
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
C58	C305
C101 1-164-361-11 s CERAMIC 0.047uF 16V C102 1-164-361-11 s CERAMIC 0.047uF 16V C103 1-164-361-11 s CERAMIC 0.047uF 16V C104 1-135-211-11 s TANTALUM, CHIP 6.8uF 20% 6.3V C116 1-162-965-11 s CERAMIC 0.0015uF 10% 50V	C310 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V C311 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V C321 1-124-779-00 s ELECT 10uF 20% 16V C322 1-164-346-11 s CERAMIC 1uF 16V C323 1-164-346-11 s CERAMIC 1uF 16V
C119	CN1 1-568-801-11 s CONNECTOR, FPC (ZIF) 24P CN2 1-568-801-11 s CONNECTOR, FPC (ZIF) 24P CN3 1-564-004-11 o PIN, CONNECTOR 5P
C123	CV201 1-141-423-61 s CAP, TRIMMER
C124 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V [for EVW-300P(EK)] C125 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V [for EVW-300(J), EVW-300(UC)] C125 1-162-918-11 s CERAMIC, CHIP 18PF 5% 50V	D1 8-719-820-05 s DIODE 1SS181 D2 8-719-820-05 s DIODE 1SS181 D3 8-719-820-05 s DIODE 1SS181 D4 8-719-820-05 s DIODE 1SS181 D101 8-719-404-35 s DIODE MA141WK
[for EVW-300P(EK)]	D102 8-719-404-35 s DIODE MA141WK
C127 1-135-211-11 s TANTALUM, CHIP 6.8uF 20% 6.3V	D105 8-719-820-05 s D10DE 133181 D201 8-719-404-35 s D10DE MA141WK
C129 1-104-301-11 S CERANIC 0.0470F 16V C131 1-135-211-11 S TANTALUM, CHIP 6.80F 20% 6.3V C132 1-164-361-11 S CERANIC 0.0470F 16V	FL1 1-235-900-11 s FILTER, LOW PASS
C134	IC1 8-759-603-27 s IC M5201FP IC2 8-759-603-27 s IC M5201FP IC3 8-752-009-90 s IC CX20099 IC4 8-759-100-96 s IC UPC4558G2 IC5 8-759-100-96 s IC UPC4558G2
C140 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V {for EVW-300P(EK)}	1C8 8-759-929-26 s 1C TL431CPS 1C101 8-759-972-13 s 1C CF77309FR
C141 1-164-361-11 s CERAMIC 0.047uF 16V C142 1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V C145 1-164-361-11 s CERAMIC 0.047uF 16V	1C102 8-752-324-45 s IC CXD1066Q-Z 1C104 8-759-336-84 s IC LC3564SM-10
C146 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V C147 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V C148 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V C150 1-164-361-11 s CERAMIC 0.047uF 16V	IC107 8-752-010-20 s IC CX20102 IC108 8-759-149-77 s IC UPD75106GF-734-3BE IC109 8-759-300-71 s IC MC14053BF IC202 8-752-332-46 s IC CXD1208Q
C151 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V	IC301 8-759-054-79 s IC CF77499PG IC302 8-752-835-85 s IC CXP5078H-619Q IC303 8-759-948-48 s IC RH5RA50A
C201 1-135-179-21 s TANTAL 2.2uF 10% 16V	L1 1-410-658-31 s INDUCTOR CHIP 220uH L101 1-410-393-11 s INDUCTOR CHIP 100uH L102 1-410-393-11 s INDUCTOR CHIP 100uH
C221 1-164-361-11 s CERAMIC 0.047uF 16V C222 1-164-361-11 s CERAMIC 0.047uF 16V	L104 1-410-393-11 s INDUCTOR CHIP 100uH L107 1-410-658-31 s INDUCTOR CHIP 220uH
C223 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V C224 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V C225 1-164-361-11 s CERAMIC 0.047uF 16V	L109 1-410-393-11 s INDUCTOR CHIP 100uH L110 1-410-393-11 s INDUCTOR CHIP 100uH L111 1-410-393-11 s INDUCTOR CHIP 100uH L203 1-410-393-11 s INDUCTOR CHIP 100uH
C226 1-135-211-11 s TANTALUM, CHIP 6.8uF 20% 6.3V C227 1-162-915-11 s CERAMIC, CHIP 10PF 0.5PF 50V C228 1-164-357-11 s CERAMIC 1000PF 5% 50V C303 1-126-206-11 s ELECT 100uF 20% 6.3V C304 1-164-361-11 s CERAMIC 0.047uF 16V	L204 1-410-381-11 s INDUCTOR CHIP 10uH L301 1-410-393-11 s INDUCTOR CHIP 100uH L302 1-410-393-11 s INDUCTOR CHIP 100uH

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(AU-162/162P BOARD)
(AU-162/162P BOARD)
                                                                                                                                                                  Ref. No.
Ref. No.
                                                                                                                                                                  or Q'ty Part No.
                                                                                                                                                                                                                      SP Description
or Q'ty Part No.
                                                   SP Description
                     8-729-209-07 s TRANSISTOR 2SC4213-B
8-729-209-07 s TRANSISTOR 2SC4213-B
8-729-209-07 s TRANSISTOR 2SC4213-B
8-729-209-07 s TRANSISTOR 2SC4213-B
                                                                                                                                                                                         1-238-088-11 s RES, ADJ, 2.2K
1-238-088-11 s RES, ADJ, 2.2K
1-238-086-11 s RES, ADJ METAL 470
Q1
Q2
Q3
Q4
Q5
                                                                                                                                                                   RV102
                                                                                                                                                                   RV103
                                                                                                                                                                                         1-567-519-11 s CRYSTAL 4.194304MHz
1-567-346-11 s OSCILLATOR, CERAMIC 0.5MHz
                                                                                                                                                                   X102
                      8-729-905-12 s TRANSISTOR DTA144EU
                                                                                                                                                                  X301
                     8-729-905-12 s TRANSISTOR DTA144EU
8-729-905-12 s TRANSISTOR DTA144EU
8-729-905-23 s TRANSISTOR 2SA1576R
8-729-905-23 s TRANSISTOR 2SA1576R
8-729-209-07 s TRANSISTOR 2SC4213-B
Q6
Q7
ŽĬ0
                     8-729-209-07 s TRANSISTOR 2SC4213-B
8-729-120-28 s TRANSISTOR 2SC1623-L5L6
8-729-120-28 s TRANSISTOR 2SC1623-L5L6
8-729-907-00 s TRANSISTOR DTC114E0
Q11
Q101
Q103
                                                                                                                                                                   CP-184 BOARD
                                                                                                                                                                  Ref. No. or Q'ty Part No.
                                                                                                                                                                                                                      SP Description
Q104
                                                                                                    [for EVW-300P(EK)]
Q105
                      8-729-905-12 s TRANSISTOR DTA144EU
                                                                                                                                                                   lpc
                                                                                                                                                                                         1-642-127-11 o PRINTED CIRCUIT BOARD, CP-184
                     8-729-905-18 s TRANSISTOR DTC144EU
8-729-905-12 s TRANSISTOR DTA144EU
8-729-120-28 s TRANSISTOR 2SC1623-L5L6
8-729-120-28 s TRANSISTOR 2SC1623-L5L6
8-729-120-28 s TRANSISTOR 2SC1623-L5L6
                                                                                                                                                                                         1-162-306-11 s CERAMIC 0.01uF 20% 16V
0106
                                                                                                                                                                   Cl
Q107
Q110
Q112
                                                                                                                                                                                         1-506-473-11 o CONNECTOR, 8P, MALE
1-569-556-11 s JACK
                                                                                                                                                                   CN1
                                                                                                                                                                   CN2
Q113
                      8-729-120-28 s TRANSISTOR 2SC1623-L5L6
8-729-120-28 s TRANSISTOR 2SC1623-L5L6
0115
Q116
                      1-218-873-11 s METAL, CHIP 12K 0.50% 1/16W 1-218-873-11 s METAL, CHIP 12K 0.50% 1/16W 1-218-721-11 s METAL 16K 0.50% 1/16W 1-218-870-11 s METAL, CHIP 9.1K 0.50% 1/16W 1-218-858-11 s METAL CHIP 3K 0.50% 1/16W
                                                                                                                                                                   CP-188 BOARD
R35
R41
                                                                                                                                                                   Ref. No. or Q'ty Part No.
R43
                                                                                                                                                                                                                       SP Description
R44
                                                                                                                                                                                         1-642-128-120 PRINTED CIRCUIT BOARD, CP-188
1-643-585-11 o PRINTED CIRCUIT BOARD, CP-221
7-621-772-18 s SCREW +B 2X4
3-175-622-01 o BRACKET, JACK
                      1-218-856-11 s CHIP, METAL 2.4K 0.50% 1/16W 1-218-858-11 s METAL CHIP 3K 0.50% 1/16W 1-218-856-11 s CHIP, METAL 2.4K 0.50% 1/16W 1-218-870-11 s METAL, CHIP 9.1K 0.50% 1/16W 1-218-721-11 s METAL 16K 0.50% 1/16W
R45
R46
                                                                                                                                                                   1pc
R47
                                                                                                                                                                   lpc
lpc
 R48
R50
                                                                                                                                                                                         1-162-600-11 s CERAMIC 0.0047uF 20% 16V
1-162-600-11 s CERAMIC 0.0047uF 20% 16V
1-162-306-11 s CERAMIC 0.01uF 20% 16V
1-162-306-11 s CERAMIC 0.01uF 20% 16V
                                                                                                                                                                   C1
C2
C3
C4
                      1-218-902-11 s CHIP, METAL 200K 0.50% 1/16W 1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W 1-218-694-11 s METAL, CHIP 1.2K 0.50% 1/16W 1-218-725-11 s METAL 24K 0.50% 1/16W 1-218-721-11 s METAL 16K 0.50% 1/16W
R60
R62
R63
 R74
                                                                                                                                                                                         1-506-486-11 s CONNECTOR, 7P, MALE
1-507-980-21 s JACK
1-507-980-21 s JACK
 R76
                      1-218-721-11 s METAL 16K 0.50% 1/16W
1-218-881-11 s METAL CHIP 27K 0.50% 1/16W
1-218-725-11 s METAL 24K 0.50% 1/16W
1-211-990-11 s METAL CHIP 75 0.50% 1/16W
1-218-881-11 s METAL CHIP 27K 0.50% 1/16W
 R77
 R78
                                                                                                                                                                                          8-719-902-27 s LED EBR3402S, RED
                                                                                                                                                                   DI
 R79
 R82
 R83
                      1-218-750-11 s METAL 270K 0.50% 1/16W

1-218-717-11 s METAL 11K 0.50% 1/16W

1-218-688-11 s METAL 680 0.50% 1/16W

1-218-714-11 s METAL 8.2K 0.50% 1/16W

[for EVW-300(J), EVW-300(UC)]

1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W

[for EVW-300P(EK)]
 R90
 R123
R169
 R170
 R170
 R171
                       1-218-866-11 s METAL CHIP 6.2K 0.50% 1/16W
                       1-238-090-11 s RES, ADJ, 10K
1-238-090-11 s RES, ADJ, 10K
1-238-088-11 s RES, ADJ, 2.2K
1-238-091-11 s RES, ADJ METAL 22K
1-238-088-11 s RES, ADJ, 2.2K
 RV2
 RV3
RV4
 RV5
                       1-238-095-11 s RES, ADJ METAL 470K
1-238-091-11 s RES, ADJ METAL 22K
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Ref. No. or Q'ty	
or Q'ty	Part
lpc	1-64

CP-189 BOARD

SP Description No.

1-642-129-120 PRINTED CIRCUIT BOARD, CP-189 1-509-891-00 s CONNECTOR, BNC, FEMALE 3-175-625-01 o SUPPORT, CONNECTOR 7-621-772-08 s SCREW +B 2X3 7-623-305-07 s LW 2, TYPE (A) lpc lpc 1pc 1pc

7-685-145-21 s SCREW +P 3X6 TYPE2 SLIT 1pc

1-564-014-11 s CONNECTOR 4P, MALE 1-573-590-13 s CONNECTOR, (\$) TERMINAL 4P CN1 CN2



Ref. No. or Q'ty	Part No. SP	Description
lpc	A-8271-253-A o	MOUNTED CIRCUIT BOARD, CR-43
1pc	A-8271-339-A o	[for EVW-300(J), EVW-300(UC)] MOUNTED CIRCUIT BOARD, CR-43P [for EVW-300P(EK)]
C100 C101		TANTAL 47uF 10% 4V CERAM1C 56PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C101	1-162-925-11 s	CERAMIC, CHIP 68PF 5% 50V [for EVW-300P(EK)]
C102	1-163-125-00 s	CERAMIC, CHIP 220PF 5% 50V
C102	1-163-127-00 s	[for EVW-300(J), EVW-300(UC)] CERAMIC, CHIP 270PF 5% 50V [for EVW-300P(EK)]
C103	1-164-392-11 s	CERAMIC 390PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C103	1-164-315-11 s	CERAMIC 470PF 5% 50V

[for EVW-300P(EK)]
1-164-217-11 s CERAMIC 150PF 5% 50V
1-164-360-11 s CERAMIC 0.1uF 16V
1-164-361-11 s CERAMIC 0.047uF 16V C104 C105 C106

CR-43/43P BOARD

1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-164-218-11 s CERAMIC 180PF 5% 50V 1-164-360-11 s CERAMIC 0.1uF 16V 1-135-202-21 s TANTALUM, CHIP 22uF 20% 4V C107 C108 C109

C110 C111

1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-164-361-11 s CERAMIC 0.047uF 16V 1-164-360-11 s CERAMIC 0.1uF 16V 1-162-918-11 s CERAMIC, CHIP 18PF 5% 50V [for EVW-300(J), EVW-300(UC)] C112 C113 C114 C115 Č116

1-162-917-11 s CERAMIC, CHIP 15PF 5% 50V [for EVW-300P(EK)] 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-164-361-11 s CERAMIC 0.047uF 16V C116

C117 C118 C119 C120

C121

1-164-315-11 s CERAMIC 470PF 5% 50V 1-164-473-11 s CERAMIC 820PF 5% 50V [for EVW-300(UC)] 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V [for EVW-300(J), EVW-300(UC)] 1-162-918-11 s CERAMIC, CHIP 18PF 5% 50V [for EVW-300P(EK)] 1-164-361-11 s CERAMIC 0.047uF 16V C121

C122

C122

C123

1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-164-360-11 s CERAMIC 0.1uF 16V 1-164-360-11 s CERAMIC 0.1uF 16V 1-164-360-11 s CERAMIC 0.1uF 16V

C124 C125 C126 C127 C128

C129 C130

1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-162-922-11 s CERAMIC, CHIP 39PF 5% 50V [for EVW-300(J), EVW-300(UC)] 1-162-926-11 s CERAMIC, CHIP 82PF 5% 50V C130

[for EVW-300P(EK)]

1-162-926-11 s CERAMIC, CHIP 82PF 5% 50V
[for EVW-300(J), EVW-300(UC)]

1-162-924-11 s CERAMIC 56PF 5% 50V
[for EVW-300P(EK)] C131

C131

1-162-926-11 s CERAMIC, CHIP 82PF 5% 50V [for EVW-300(J), EVW-300(UC)] C132

(CR-43/43P BOA	ARD)		(CR-43/4	3P BOARD)
Ref. No. or Q'ty Part	No. SP	Description	Ref. No. or Q'ty	Part No. SP Description
C132 1-162	2-924-11 s	CERAMIC 56PF 5% 50V	C521	1-164-227-11 s CERAMIC 0.022uF 10% 25V
C134 1-162 C135 1-162	2-970-11 s 2-970-11 s	[for EVW-300P(EK)] CERAMIC 0.022uF 10% 25V CERAMIC, CHIP 0.01uF 10% 25V CERAMIC, CHIP 0.01uF 10% 25V CERAMIC 0.047uF 16V	C601 C602 C603 C604	1-162-928-11 s CERAMIC 120PF 5% 50V 1-164-382-11 s CERAMIC 91PF 5% 50V 1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-162-916-11 s CERAMIC, CHIP 12PF 5% 50V
C138 1-164 C139 1-164	4-360-11 s 4-361-11 s	CERAMIC 0.047uF 16V CERAMIC 0.1uF 16V CERAMIC 0.047uF 16V CERAMIC, CHIP 0.01uF 10% 25V	C605 C606 C607	1-162-925-11 s CERAMIC, CHIP 68PF 5% 50V 1-162-924-11 s CERAMIC 56PF 5% 50V 1-162-957-11 s CERAMIC 220PF 5% 50V [for EVW-300(J), EVW-300(UC)] 1-164-816-11 s CERAMIC 220PF 2% 50V
C141 1-164	4-227-11 s	CERAMIC 0.022uF 10% 25V	C608	[for EVW-300P(EK)] 1-164-227-11 s CERAMIC 0.022uF 10% 25V
C143 1-164	4-361-11 s	CERAMIC 0.022uF 10% 25V CERAMIC 0.047uF 16V	C609	1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V
C144 1-135 C145 1-164	5-162-21 s 4-227-11 s	TANTALUM, CHIP 33uF 10% 6.3V CERAMIC 0.022uF 10% 25V	C609	[for EVW-300(J), EVW-300(UC)] 1-162-918-11 s CERAMIC, CHIP 18PF 5% 50V
		TANTALUM, CHIP 33uF 10% 6.3V CERAMIC 0.022uF 10% 25V	C610 C611	[for EVW-300P(EK)] 1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-164-227-11 s CERAMIC 0.022uF 10% 25V
C149 1-135	5-162-21 s	TANTALUM, CHIP 33uF 10% 6.3V CERAMIC 0.022uF 10% 25V	C615	1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V
C152 1-164	4-227-11 s	CERAMIC 0.022uF 10% 25V CERAMIC 0.022uF 10% 25V	C616 C617	1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-135-176-21 s TANTAL 0.68uF 10% 35V
C202 1-164 C203 1-164	4-227-11 s 4-227-11 s	CERAMIC 0.022uF 10% 25V CERAMIC 0.022uF 10% 25V CERAMIC 0.022uF 10% 25V TANTAL 1uF 20% 10V	C618 C619 C620	1-135-208-11 s TANTAL luF 20% 10V 1-135-208-11 s TANTAL luF 20% 10V 1-162-959-11 s CERAMIC 330PF 5% 50V [for EVW-300(J), EVW-300(UC)]
		[for EVW-300P(EK)] CERAMIC 1000PF 5% 50V	C620	1-162-969-11 s CERAMIC 0.0068uF 10% 25V [for EVW-300P(EK)]
0504 1 105	5 010 11	[for EVW-300P(EK)]	C621 C622	1-126-205-11 s ELECT 47uF 20% 6.3 1-164-227-11 s CERAMIC 0.022uF 10% 25V
		TANTALUM 4.7uF 10% 10V [for EVW-300P(EK)]	C623	[for EVW-300(J), EVW-300(UC)] 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V
		CERAMIC 0.022uF 10% 25V [for EVW-300P(EK)] CERAMIC 0.022uF 10% 25V	C624	[for EVW-300(J), EVW-300(UC)] 1-164-227-11 s CERAMIC 0.022uF 10% 25V
C507 1-162	2-919-11 s	CERAMIC 0.022dr 100 23V [for EVW-300P(EK)] CERAMIC, CHIP 22PF 5% 50V CERAMIC 56PF 5% 50V [for EVW-300(J), EVW-300(UC)]	C625 C626 C627 C628	1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-126-205-11 s ELECT 47uF 20% 6.3 1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V
C508 1-162	2-915-11 s	CERAMIC, CHIP 10PF 0.5PF 50V [for EVW-300P(EK)]	C630	[for EVW-300P(EK)] 1-164-217-11 s CERAMIC 150PF 5% 50V
C509 1-164	34-392-11 s	CERAMIC 390PF 5% 50V [for EVW-300P(EK)]	C631 C632	1-164-357-11 s CERAMIC 1000PF 5% 50V 1-164-357-11 s CERAMIC 1000PF 5% 50V
		CERAMIC 1000PF 5% 50V [for EVW-300P(EK)]	C632	[for EVW-300(J), EVW-300(UC)] 1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V
		TANTAL 2.2uF 10% 16V [for EVW-300P(EK)] CERAMIC 1000PF 5% 50V	C633	[for EVW-300P(EK)] 1-164-227-11 s CERAMIC 0.022uF 10% 25V
0312 1-104	14-337-11 5	for EVW-300P(EK)	C634 C635	1-162-967-11 s CERAMIC 0.0033uF 10% 50V 1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V
	34-383-11 s	CERAMIC 110PF 5% 50V [for EVW-300P(EK)]	C637 C640	1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-164-227-11 s CERAMIC 0.022uF 10% 25V
		CERAMIC 5PF 0.25PF 50V [for EVW-300P(EK)]	C641 C642	1-162-926-11 s CERAMIC, CHIP 82PF 5% 50V 1-164-466-11 s CERAMIC 240PF 5% 50V
		CERAMIC 0.022uF 10% 25V [for EVW-300P(EK)]	C643	1-162-926-11 s CERAMIC, CHIP 82PF 5% 50V
		CERAMIC 0.022uF 10% 25V [for EVW-300P(EK)] CERAMIC 0.022uF 10% 25V	C644 C645 C646	1-164-315-11 s CERAMIC 470PF 5% 50V 1-162-959-11 s CERAMIC 330PF 5% 50V 1-164-217-11 s CERAMIC 150PF 5% 50V
0011 1-104	7-261-11 5	[for EVW-300P(EK)]	C647	1-162-922-11 s CERAMIC, CHIP 39PF 5% 50V
		TANTALUM, CHIP 10uF 20% 10V [for EVW-300P(EK)]	C648 C649	1-164-357-11 s CERAMIC 1000PF 5% 50V 1-164-227-11 s CERAMIC 0.022uF 10% 25V
		CERAMIC 0.022uF 10% 25V [for EVW-300P(EK)]	C650 C651	1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-162-909-11 s CERAMIC 4PF 0.25PF 50V
C520 1-162	52-917-11 s	CERAMIC, CHIP 15PF 5% 50V [for EVW-300P(EK)]	C652	1-164-227-11 s CERAMIC 0.022uF 10% 25V

(CR-43/4	BP BOARD)	(CR-43/4	3P BOARD)
Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
C653	1-164-363-11 s CERAMIC 560PF 5% 50V [for EVW-300(UC)]	IC200 IC501	8-759-710-07 s IC NJM2234M 8-752-060-94 s IC CXA1203N
C653	1-164-471-11 s CERAMIC 680PF 5% 50V [for EVW-300P(EK)]	IC601 IC901	8-752-051-40 s IC CXA1208R 8-759-925-60 s IC BA401
C654	1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V	L100	1-410-390-11 s INDUCTOR CHIP 56uH
C655	[for EVW-300(J), EVW-300(UC)] 1-162-918-11 s CERAMIC, CHIP 18PF 5% 50V [for EVW-300(J), EVW-300(UC)] 1-164-357-11 s CERAMIC 1000PF 5% 50V	L100	[for EVW-300(J), EVW-300(UC)] 1-410-391-11 s INDUCTOR CHIP 68uH
C656	1-164-357-11 s CERAMIC 1000PF 5% 50V [for EVW-300P(EK)]	L101	[for EVW-300P(EK)] 1-410-393-11 s INDUCTOR CHIP 100uH
C820	1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V	L101	[for EVW-300(J), EVW-300(UC)] 1-410-655-31 s INDUCTOR CHIP 120uH
C901 C902 C903 C904	1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-164-227-11 s CERAMIC 0.022uF 10% 25V	L102	[for EVW-300P(EK)] 1-410-393-11 s INDUCTOR CHIP 100uH [for EVW-300(J), EVW-300(UC)]
C905	1-164-227-11 s CERAMIC 0.022uF 10% 25V	L102	1-410-392-11 s INDUCTOR, CHIP 82uH [for EVW-300P(EK)]
C906 C907	1-164-227-11 s CERAMIC 0.022uF 10% 25V	L103	1-410-385-11 s INDUCTOR, CHIP 22uH [for EVW-300(J), EVW-300(UC)]
C908 C909	1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V	L103	1-410-384-31 s INDUCTOR CHIP 18uH [for EVW-300P(EK)]
C910 C911 C912	1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V 1-135-216-11 s TANTALUM, CHIP_10uF 20% 10V	L104 L105	1-412-062-11 s INDUCTOR CHIP 47ùH 1-410-388-31 s INDUCTOR, CHIP 39uH [for EVW-300(J), EVW-300(UC)]
C913 C914	1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-164-227-11 s CERAMIC 0.022uF 10% 25V	L105	1-410-382-31 s INDUCTOR CHIP 12uH [for EVW-300P(EK)]
C915 C916 C917	1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V	L106 L107 L111 L112	1-410-383-31 s INDUCTOR CHIP 15ùH 1-410-383-31 s INDUCTOR CHIP 15ùH 1-412-062-11 s INDUCTOR CHIP 47ùH 1-412-062-11 s INDUCTOR CHIP 47ùH
CF601	1-567-727-11 s FILTER, CERAMIC	L119	1-410-387-11 s INDUCTOR CHIP 33uH
CF601	1-577-162-11 s FILTER, CERAMIC	L501 L501	1-410-385-11 s INDUCTOR, CHIP 22uH [for EVW-300(J), EVW-300(UC)] 1-410-386-11 s INDUCTOR CHIP 27uH
CV101 CV102	1-141-423-61 s CAP, TRIMMER	L601	[for EYW-300P(EK)] 1-410-381-11 s INDUCTOR CHIP 10uH
CV103	1-141-370-11 s CAP, CHIP TRIMMER	L602	1-410-655-31 s INDUCTOR CHIP 120uH
D101	8-719-018-80 s DIODE ND411G-2	L603 L604	1-410-393-11 s INDUCTOR CHIP 100uH 1-410-655-31 s INDUCTOR CHIP 120uH
D105	8-719-105-90 s DIODE RD5.6M-B1	L605	1-410-391-11 s INDUCTOR CHIP 68uH [for EVW-300(J), EVW-300(UC)]
		L605	1-410-393-11 s INDUCTOR CHIP 100ùH  [for EVW-300P(EK)]
D601	8-719-404-35 s DIODE MA141WK	L606	1-410-392-11 s INDUCTOR, CHIP 82uH
D603	8-719-820-05 s DIODE 1SS181	L607 L608 L609	1-410-381-11 s INDUCTOR CHIP 10uH 1-410-391-11 s INDUCTOR CHIP 68uH 1-410-386-11 s INDUCTOR CHIP 27uH
		L610 L611	1-410-389-31 s INDUCTOR CHIP 47uH 1-410-390-11 s INDUCTOR CHIP 56uH
D902	8-719-018-80 s DIODE ND411G-2 8-719-018-80 s DIODE ND411G-2	5011	[for EVW-300P(EK)]
	1-236-850-21 s FILTER, BANDPASS 4.43MHz	L901 L902	1-410-381-11 s INDUCTOR CHIP 10uH 1-410-656-11 s INDUCTOR CHIP 150uH
FL601	1-236-575-11 s B.P.F (PAL-M)	L903 L904	1-412-282-41 s INDUCTOR 470uH 1-412-282-41 s INDUCTOR 470uH
FL601	[for EVW-300(J), EVW-300(UC)] 1-236-849-21 s FILTER, BANDPASS 4.43MHz	Q100	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
FL602	1-236-146-11 s FILTER, BAND PASS	Q101 Q102 Q103	8-729-905-23 s TRANSISTOR 2SA1576R 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-903-10 s TRANSISTOR FMW1
FL602	1-236-186-11 s FILTER, BAND PASS [for EVW-300P(EK)]	Q103 Q104	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
IC200	8-759-710-86 s IC NJM2233BM	Q105 Q106 Q107	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-902-96 s TRANSISTOR FMS1

(CR-43/43P BOARD)	(CR-43/43P BOARD)
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
Q108 8-729-903-10 s TRANSISTOR FMW1 Q109 8-729-902-96 s TRANSISTOR FMS1 Q110 8-729-903-10 s TRANSISTOR FMW1 Q111 8-729-905-23 s TRANSISTOR 2SA1576R Q112 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	Q612 8-729-905-23 s TRANSISTOR 2SA1576R Q613 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q614 8-729-905-23 s TRANSISTOR 2SA1576R Q615 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q616 8-729-905-23 s TRANSISTOR 2SA1576R
Q113 8-729-903-10 s TRANSISTOR FMW1 Q114 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q115 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q116 8-729-905-23 s TRANSISTOR 2SA1576R Q117 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	Q617 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q618 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q619 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q620 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q621 8-729-905-18 s TRANSISTOR DTC144EU
Q118 8-729-905-23 s TRANSISTOR 2SA1576R Q119 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q120 8-729-905-23 s TRANSISTOR 2SA1576R Q121 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q122 8-729-905-23 s TRANSISTOR 2SA1576R	Q622 8-729-120-28 S TRANSISTOR 2SC1623-L5L6 Q823 8-729-905-18 S TRANSISTOR DTC144EU Q824 8-729-905-18 S TRANSISTOR DTC144EU Q825 8-729-120-28 S TRANSISTOR 2SC1623-L5L6 Q826 8-729-905-12 S TRANSISTOR DTA144EU
Q123 8-729-905-23 s TRANSISTOR 2SA1576R Q124 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q125 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q126 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q127 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	Q827       8-729-120-28 s       TRANSISTOR 2SC1623-L5L6         Q828       8-729-905-18 s       TRANSISTOR DTC144EU         Q829       8-729-905-18 s       TRANSISTOR DTC144EU         Q901       8-729-120-28 s       TRANSISTOR 2SC1623-L5L6         Q902       8-729-120-28 s       TRANSISTOR 2SC1623-L5L6
Q128 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q129 8-729-905-18 s TRANSISTOR DTC144EU Q130 8-729-905-18 s TRANSISTOR DTC144EU Q131 8-729-905-18 s TRANSISTOR DTC144EU Q132 8-729-141-75 s TRANSISTOR 2SD596DV345	0903       8-729-120-28 s       TRANSISTOR 2SC1623-L5L6         0904       8-729-120-28 s       TRANSISTOR 2SC1623-L5L6         0905       8-729-905-12 s       TRANSISTOR DTA144EU         0906       8-729-905-18 s       TRANSISTOR DTC144EU         0907       8-729-120-28 s       TRANSISTOR 2SC1623-L5L6
Q134 8-729-907-26 s TRANSISTOR IMX1 Q135 8-729-141-48 s TRANSISTOR 2SB624-BV345 Q136 8-729-907-26 s TRANSISTOR IMX1 Q137 8-729-907-26 s TRANSISTOR IMX1 Q138 8-729-907-26 s TRANSISTOR IMX1 Q139 8-729-907-26 s TRANSISTOR IMX1 Q140 8-729-905-23 s TRANSISTOR 2SA1576R Q141 8-729-141-48 s TRANSISTOR 2SB624-BV345 Q141 8-729-905-18 s TRANSISTOR DTC144FIJ	Q908 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q909 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q910 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q911 8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q139 8-729-907-26 s TRANSISTOR IMX1 Q140 8-729-905-23 s TRANSISTOR 2SA1576R Q141 8-729-141-48 s TRANSISTOR 2SB624-BV345 Q200 8-729-905-18 s TRANSISTOR DTC144EU Q501 8-729-905-18 s TRANSISTOR DTC144EU	Alto I blo ob il s mbilli in occor i/ ion
[for EVW-300P(EK)] Q502 8-729-905-12 s TRANSISTOR DTA144EU [for EVW-300P(EK)] Q503 8-729-905-18 s TRANSISTOR DTC144EU [for EVW-300P(EK)]	R109 1-218-829-11 s METAL CHIP 180 0.50% 1/16W R110 1-218-688-11 s METAL 680 0.50% 1/16W R111 1-218-680-11 s METAL 330 0.50% 1/16W R112 1-218-688-11 s METAL 680 0.50% 1/16W R113 1-218-692-11 s METAL 1K 0.50% 1/16W
Q504 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 [for EVW-300P(EK)] Q505 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 [for EVW-300P(EK)] Q506 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	R116 1-218-716-11 s METAL 10K 0.50% 1/16W R121 1-218-829-11 s METAL CHIP 180 0.50% 1/16W R122 1-218-710-11 s METAL 5.6K 0.50% 1/16W R131 1-218-700-11 s METAL 2.2K 0.50% 1/16W R134 1-218-700-11 s METAL 2.2K 0.50% 1/16W
Q601 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q603 8-729-905-18 s TRANSISTOR DTC144EU Q604 8-729-905-18 s TRANSISTOR DTC144EU [for EVW-300(J), EVW-300(UC)] Q604 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	R138 1-218-851-11 s METAL CHIP 1.5K 0.50% 1/16W R139 1-218-851-11 s METAL CHIP 1.5K 0.50% 1/16W R140 1-218-845-11 s METAL, CHIP 820 0.50% 1/16W R141 1-218-851-11 s METAL CHIP 1.5K 0.50% 1/16W R142 1-218-851-11 s METAL CHIP 1.5K 0.50% 1/16W
[for EVW-300P(EK)] Q605 8-729-905-12 s TRANSISTOR DTA144EU  Q606 8-729-905-18 s TRANSISTOR DTC144EU [for EVW-300P(EK)] Q607 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	R143
Q608 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q609 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q610 8-729-905-18 s TRANSISTOR DTC144EU Q611 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	R151

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(CR-43/43P BOARD)
                                                                                                                                                                                (CR-43/43P BOARD)
 Ref. No.
                                                                                                                                                                               Ref. No. or Q'ty Part No.
 or Q'ty Part No.
                                                         SP Description
                                                                                                                                                                                                                                       SP Description
                        1-218-692-11 s METAL 1K 0.50% 1/16W 1-218-833-11 s METAL CHIP 270 0.50% 1/16W 1-218-692-11 s METAL 1K 0.50% 1/16W 1-218-692-11 s METAL 1K 0.50% 1/16W 1-218-692-11 s METAL 1K 0.50% 1/16W
                                                                                                                                                                                                       1-238-087-11 s RES, ADJ, 1K
1-238-089-11 s RES, ADJ, 4.7K
1-238-087-11 s RES, ADJ, 1K
1-238-086-11 s RES, ADJ METAL 470
1-238-086-11 s RES, ADJ METAL 470
 R162
                                                                                                                                                                                RV503
 R163
                                                                                                                                                                                RV601
R164
                                                                                                                                                                                RV602
 R165
                                                                                                                                                                                RV800
R166
                         1-218-873-11 s METAL, CHIP 12K 0.50% 1/16W
                                                                                                                                                                                RV801
                       1-218-716-11 s METAL 10K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
1-218-883-11 s METAL 33K 0.50% 1/16W [for EVW-300P(EK)]
1-218-684-11 s METAL 470 0.50% 1/16W
1-218-680-11 s METAL 330 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
1-218-829-11 s METAL CHIP 180 0.50% 1/16W [for EVW-300P(EK)]
                                                                                                                                                                                                       1-238-086-11 s RES, ADJ METAL 470
1-238-088-11 s RES, ADJ, 2.2K
1-238-088-11 s RES, ADJ, 2.2K
R167
                                                                                                                                                                                RV802
                                                                                                                                                                                RV901
R167
                                                                                                                                                                                RV902
                                                                                                                                                                                                       1-577-080-11 s VIBRATOR, CRYSTAL 3.579545MHz
[for EVW-300(J), EVW-300(UC)]
1-577-117-21 s VIBRATOR, CRYSTAL 4.43361900PZ
 R174
                                                                                                                                                                               X601
R175
                                                                                                                                                                               X601
 R175
                                                                                                                                                                                                                                                                                         [for EVW-300P(EK)]
                                                                                                             [for EVW-300P(EK)]
                       1-218-684-11 s METAL 470 0.50% 1/16W 1-218-680-11 s METAL 330 0.50% 1/16W [for EVW-300(J), EVW-300(UC)] 1-218-836-11 s METAL CHIP 360 0.50% 1/16W [for EVW-300P(EK)] 1-218-684-11 s METAL 470 0.50% 1/16W 1-218-680-11 s METAL 330 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R179
R180
R180
R184
R185
                       1-218-836-11 s METAL CHIP 360 0.50% 1/16W [for EVW-300P(EK)]
1-218-706-11 s METAL 3.9K 0.50% 1/16W
1-218-698-11 s METAL 1.8K 0.50% 1/16W
1-218-680-11 s METAL 330 0.50% 1/16W
1-218-692-11 s METAL 1K 0.50% 1/16W
R185
R190
R191
R194
R195
                      1-218-692-11 s METAL 1K 0.50% 1/16W
1-218-837-11 s METAL CHIP 390 0.50% 1/16W
1-218-680-11 s METAL 330 0.50% 1/16W
[for EVW-300P(EK)]
1-218-841-11 s METAL CHIP 560 0.50% 1/16W
[for EVW-300P(EK)]
R196
R197
R201
R202
R508
                        1-218-740-11 s METAL 100K 0.50% 1/16W
                                                                                                            [for EVW-300P(EK)]
                     1-218-716-11 s METAL 10K 0.50% 1/16W

1-218-710-11 s METAL 5.6K 0.50% 1/16W

[for EVW-300(J), EVW-300(UC)]

1-218-708-11 s METAL 4.7K 0.50% 1/16W

[for EVW-300P(EK)]

1-218-716-11 s METAL 10K 0.50% 1/16W

[for EVW-300(J), EVW-300(UC)]

1-218-864-11 s METAL CHIP 5.1K 0.50% 1/16W

[for EVW-300P(EK)]
R617
R618
R618
R621
R621
                       1-218-740-11 s METAL 100K 0.50% 1/16W 1-218-684-11 s METAL 470 0.50% 1/16W 1-218-684-11 s METAL 470 0.50% 1/16W 1-218-698-11 s METAL 1.8K 0.50% 1/16W 1-218-679-91 s METAL 300 0.50% 1/16W 1-218-679-91 s METAL 300 0.50% 1/16W
R623
R652
R653
R654
R655
                                                                              [for EVW-300(J), EVW-300(UC)]
                        1-218-680-11 s METAL 330 0.50% 1/16W
R655
                      1-218-680-11 s METAL 330 0.50% 1/16W [for EVW-300P(EK)]
1-218-684-11 s METAL 470 0.50% 1/16W
1-218-684-11 s METAL 470 0.50% 1/16W
1-218-829-11 s METAL CHIP 180 0.50% 1/16W [for EVW-300P(EK)]
1-218-694-11 s METAL, CHIP 1.2K 0.50% 1/16W [for EVW-300(UC)]
R679
R681
R682
R916
R919
                       1-218-684-11 s METAL 470 0.50% 1/16W
RV502
                       1-238-090-11 s RES, ADJ, 10K
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Please see page D-29 for the part numbers of resistors that are not the parts list.

ES-4/4P BOARD			BOARD)
Ref. No.	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
1pc	A-8271-266-A o MOUNTED CIRCUIT BOARD, ES-4	C55	1-126-204-11 s ELECT 47uF 20% 16V
1pc	A-8271-263-A O MOUNTED CIRCUIT BOARD, ES-4	C56 C57	1-124-779-00 s ELECT 10uF 20% 16V 1-124-779-00 s ELECT 10uF 20% 16V
1pc	[for EVW-300(UC)] A-8271-345-A o MOUNTED CIRCUIT BOARD, ES-4P	C58 C59	1-135-166-21 s TANTALUM, CHIP 47uF 10% 10V 1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V
2pcs	[for ÉVW-300P(EK)] 7-627-554-27 s SCREW, PRECITION +P 2X6 TYPE1	aro	[for EVW-300(J), EVW-300(UC)]
C1	1-135-166-21 s TANTALUM, CHIP 47uF 10% 10V	C59	1-162-962-11 s CERAMIC 470PF 10% 50V [for EVW-300P(EK)]
C1 C2 C4 C5 C6	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-135-091-91 s CHIP, TANTALUM 1uF 20% 16V	C61	1-135-070-00 s TANTALUM, CHIP 0.1uF 10% 35V 1-164-677-11 s CERAMIC 0.033uF 10% 16V
C6	1-135-091-91 s CHIP, TANTALUM 1uF 20% 16V 1-135-091-91 s CHIP, TANTALUM 1uF 20% 16V	C62 C63	1-124-778-00 s ELECT 22uF 20% 6.3V 1-135-210-11 s TANTALUM 4.7uF 10% 10V
C7 C8	1-135-091-91 s CHIP, TANTALUM 1uF 20% 16V 1-135-091-91 s CHIP, TANTALUM 1uF 20% 16V	C64 C65	1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V 1-164-156-11 s CERAMIC 0.1uF 25V
C10 C11	1-135-166-21 s TANTALUM. CHIP 47uF 10% 10V	C66 C67	1-164-156-11 s CERAMIC 0.1uF 25V 1-124-779-00 s ELECT 10uF 20% 16V
C13	1-135-149-21 s TANTALUM, CHIP 2.2uF 10% 10V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V	Č68	1-124-779-00 s ELECT 10uF 20% 16V
C14 C15	1-128-065-11 s ELECT 68uF 20% 10V 1-164-156-11 s CERAMIC 0.1uF 25V	C69 C70	1-124-779-00 s ELECT 10uF 20% 16V 1-162-918-11 s CERAMIC, CHIP 18PF 5% 50V
C17 C18	1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V	C71 C72	1-164-156-11 s CERAMIC 0.1uF 25V 1-164-156-11 s CERAMIC 0.1uF 25V
C19	1-162-925-11 s CERAMIC, CHIP 68PF 5% 50V	C73	1-124-779-00 s ELECT 10uF 20% 16V
C20 C21	1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V 1-124-779-00 s ELECT 10uF 20% 16V 1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V 1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V	C74 C75	1-164-156-11 s CERAMIC 0.1uF 25V 1-126-206-11 s ELECT 100uF 20% 6.3V
C22 C23	1-124-779-00 S ELECT TOUR 20% 16V 1-162-921-11 S CERAMIC, CHIP 33PF 5% 50V 1-162-921-11 S CERAMIC, CHIP 33PF 5% 50V 1-164-156-11 S CERAMIC 0.1uF 25V	C76 C77	1-126-206-11 s ELECT 100uF 20% 6.3V 1-164-227-11 s CERAMIC 0.022uF 10% 25V
C24			1-164-156-11 s CERAMIC 0.1uF 25V
C25 C26	1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V 1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V 1-164-156-11 s CERAMIC 0.1uF 25V	C79 C80	1-135-070-00 s TANTALUM, CHIP 0.1uF 10% 35V 1-135-070-00 s TANTALUM, CHIP 0.1uF 10% 35V
C27 C28 C29	1-162-927-11 S CERAMIC, CHIP 100PF 5% 50V	C81 C82	1-162-918-11 s CERAMIC, CHIP 18PF 5% 50V 1-164-156-11 s CERAMIC 0.1uF 25V
C29	1-162-962-11 s CERAMIC 470PF 10% 50V	C83	1-164-156-11 s CERAMIC 0.1uF 25V 1-135-149-21 s TANTALUM, CHIP 2.2uF 10% 10V
C31 C32	1-135-155-21 s TANTALUM, CHIP 4.7uF 10% 16V 1-135-155-21 s TANTALUM, CHIP 4.7uF 10% 16V 1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V	C85 C86	1-135-149-21 s TANTALUM, CHIP 2.2uF 10% 10V
C33 C34	1-182-927-11 S CERAMIC, CHIP 100PF 5% 50V 1-135-161-21 S TANTALUM, CHIP 22uF 10% 10V 1-162-927-11 S CERAMIC, CHIP 100PF 5% 50V	C87 C88	1-135-166-21 s TANTALUM, CHIP 47uF 10% 10V 1-135-076-21 s TANTALUM, CHIP 1uF 10% 35V
C35	1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V	C89	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
C36	1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V [for EVW-300(J), EVW-300(UC)]	C90 C91	1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V
C36	1-164-155-11 s CERAMIC 75PF 5% 50V [for EVW-300P(EK)]	Č92	1-164-156-11 s CERAMIC 0.1uF 25V [for EVW-300P(EK)]
C37	1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V [for EVW-300(J), EVW-300(UC)]	C93	1-135-210-11 s TANTALUM 4.7uF 10% 10V [for EVW-300P(EK)]
C37	1-164-155-11 s CERAMIC 75PF 5% 50V [for EVW-300P(EK)]	C94	1-162-970-11 s CERAMIC, CHIP 0.01uF 10%-25V
C38	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V	C95	[for EVW-300P(EK)] 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
C39 C40	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-124-779-00 s ELECT 10uF 20% 16V	C96 C97	1-135-166-21 s TANTALUM, CHIP 47uF 10% 10V 1-135-166-21 s TANTALUM, CHIP 47uF 10% 10V
C42	[for EVW-300P(EK)] 1-135-159-21 s TANTALUM, CHIP 10uF 10% 20V	C98	1-135-166-21 s TANTALUM, CHIP 47uF 10% 10V
C43	1-124-779-00 s ELECT 10uF 20% 16V	C100 C102	1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
C44 C46	1-124-779-00 s ELECT 10uF 20% 16V 1-162-918-11 s CERAMIC, CHIP 18PF 5% 50V	C104	[for EVW-300(J), EVW-300(UC)] 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V
C47 C49	1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V 1-162-911-11 s CERAMIC, CHIP 6PF 50V	C108	[for EVW-300P(EK)] 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V
C50	1-135-166-21 s TANTALUM, CHIP 47uF 10% 10V	C111	1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V
C51 C52	1-162-910-11 s CERAMIC 5PF 0.25PF 50V 1-135-166-21 s TANTALUM, CHIP 47uF 10% 10V	C113 C114	1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-162-925-11 s CERAMIC, CHIP 68PF 5% 50V
C53	1-124-779-00 s ELECT 10uF 20% 16V		[for EVW-300(J), EVW-300(UC)]

(ES-4/4P	BOARD)	(ES-4/4P	BOARD)
Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
C114	1-162-922-11 s CERAMIC, CHIP 39PF 5% 50V	L8	1-410-656-11 s INDUCTOR CHIP 150uH
C115	[for EVW-300P(EK)] 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V	L8	[for EVW-300(J), EVW-300(UC)] 1-410-393-11 s INDUCTOR CHIP 100uH
C116 C117 C118	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-162-964-11 s CERAMIC 0.001uF 10% 50V	L9	[for EVW-300P(EK)] 1-410-389-31 s INDUCTOR CHIP 47uH [for EVW-300P(EK)]
C119	1-162-964-11 s CERAMIC 0.001uF 10% 50V	L10 L11	1-410-389-31 s INDUCTOR CHIP 47uH 1-410-385-11 s INDUCTOR, CHIP 22uH
C120 C200	1-162-964-11 s CERAMIC 0.001uF 10% 50V 1-124-778-00 s ELECT 22uF 20% 6.3V 1-126-205-11 s ELECT 47uF 20% 6.3	L12	1-410-385-11 s INDUCTOR, CHIP 22uH 1-410-387-11 s INDUCTOR CHIP 33uH
C201 C202	1-126-205-11 s ELECT 470F 20% 6.3 1-135-161-21 s TANTALUM, CHIP 220F 10% 10V	L13 L14 L20	1-410-387-11 s INDUCTOR CHIP 33uH 1-410-385-11 s INDUCTOR, CHIP 22uH 1-410-389-31 s INDUCTOR CHIP 47uH
C203 C205	1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-162-907-11 s CERAMIC, CHIP 2PF 50V	LV1	1-408-844-00 s INDUCTOR, VAR, 22uH
CN1	1-691-856-11 s CONNECTOR, BOARD TO BOARD 60P	Q1	8-729-117-72 s TRANSISTOR 2SC4178
CP1	1-577-183-11 s OSCILLATOR, CRYSTAL [for EVW-300P(EK)]	Q1 Q2 Q4 Q5 Q6	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6
D1		Q6	8-729-117-72 s TRANSISTOR 2SC4178 8-729-120-28 s TRANSISTOR 2SC1623-L5L6
D2 D3	8-719-820-05 s DIODE 1SS181 8-719-800-76 s DIODE 1SS226 8-719-800-76 s DIODE 1SS226	Q7 Q8	8-729-905-23 s TRANSISTOR 2SA1576R 8-729-905-23 s TRANSISTOR 2SA1576R
D4 D5	8-719-800-76 s DIODE 1SS226 8-719-800-76 s DIODE 1SS226	09 010	8-729-905-23 s TRANSISTOR 2SA1576R 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-905-23 s TRANSISTOR 2SA1576R
DL1	1-415-897-11 s DELAY LINE	Q11	8-729-920-39 s TRANSISTOR IMT1US
DL2 DL3	1-415-898-11 s DELAY LINE 1-415-896-11 s DELAY LINE	Q12 Q13	8-729-920-39 s TRANSISTOR IMT1US 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6
FL1	1-239-379-21 s FILTER, BANDPASS	Q14 Q15	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
FL1	[for EVW-300(J), EVW-300(UC)] 1-239-380-11 s FILTER, BANDPASS	Q16	8-729-907-26 S TRANSISTOR IMX1
ICI	[for EVW-300P(EK)] 8-752-056-59 s IC CXA1592R	Q17 Q18 Q19	8-729-903-10 s TRANSISTOR FMW1 8-729-905-23 s TRANSISTOR 2SA1576R 8-729-907-26 s TRANSISTOR IMX1
IC1 IC2 IC3	8-759-710-24 s IC NJM319M 8-759-209-69 s IC TC4S11F	020 021	8-729-920-39 s TRANSISTOR IMTIUS 8-729-120-28 s TRANSISTOR 2SC1623-L5L6
IC4 IC5	8-759-300-71 s IC MC14053BF 8-759-209-97 s IC TC4S81F		
1C6	8-759-031-84 s IC SC7S04F	Q22 Q23 Q24	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6
IC7 IC8	8-759-209-54 s IC TC4S01F 8-759-906-59 s IC CX22017	Q25 Q26	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6
IC9 IC10	8-759-031-84 s IC SC7S04F 8-759-031-84 s IC SC7S04F	Q30	8-729-905-23 s TRANSISTOR 2SA1576R
1C11 1C12	8-759-234-13 s IC TC4S30F 8-759-239-34 s IC TC74HC4538AF	Q31 Q32	8-729-120-28 S TRANSISTOR 2SC1623-L5L6 8-729-905-23 S TRANSISTOR 2SA1576R
IC12 IC13 IC14	8-759-906-53 s IC TL062CPS 8-759-902-88 s IC SN74LS123NS	Q33 Q34	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6
IC15	8-759-906-53 s IC TL062CPS	Q35 Q36	8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178
IC16 IC17	8-759-300-71 s IC MC14053BF 8-759-007-64 s IC MC74HC76F	Q100 Q101	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6
IC18 IC19	8-759-987-27 s IC LM1881M 8-759-702-08 s IC NJM360M	R2	1-218-716-11 s METAL 10K 0.50% 1/16W
IC20	8-752-335-47 s IC CXD1216M	R3 R4	1-218-717-11 s METAL 11K 0.50% 1/16W 1-218-695-11 s METAL 1.3K 0.50% 1/16W
IC21 IC22	8-759-234-77 s IC TC4S66F 8-752-332-67 s IC CXD1217M	R5 R7	1-218-845-11 s METAL, CHIP 820 0.50% 1/16W 1-218-836-11 s METAL CHIP 360 0.50% 1/16W
L1 L3	1-410-385-11 s INDUCTOR, CHIP 22nH 1-410-389-31 s INDUCTOR CHIP 47uH	R16 R18	1-218-836-11 s METAL CHIP 360 0.50% 1/16W
L3 L4 L5	1-412-280-31 s INDUCTOR 330uH 1-412-280-31 s INDUCTOR 330uH	R19 R20	1-218-836-11 s METAL CHIP 360 0.50% 1/16W 1-218-705-11 s METAL 3.6K 0.50% 1/16W 1-218-697-11 s METAL 1.6K 0.50% 1/16W 1-218-836-11 s METAL CHIP 360 0.50% 1/16W
L6	1-410-389-31 s INDUCTOR CHIP 47uH	R21	1-218-851-11 s METAL CHIP 1.5K 0.50% 1/16W
L7	1-410-389-31 s INDUCTOR CHIP 47uH	R22	1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W

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(ES-4/4P BOARD)
Ref. No. or Q'ty Part No.
                                                                          SP Description
                              1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W 1-218-672-11 s METAL 150 0.50% 1/16W 1-218-716-11 s METAL 10K 0.50% 1/16W 1-215-437-00 s METAL 4.7K 1% 1/6W 1-218-699-11 s METAL, CHIP 2K 0.50% 1/16W
R26
R27
R28
R29
R47
                               1-218-704-11 s METAL 3.3K 0.50% 1/16W
1-218-699-11 s METAL, CHIP 2K 0.50% 1/16W
1-218-699-11 s METAL, CHIP 2K 0.50% 1/16W
1-218-833-11 s METAL CHIP 270 0.50% 1/16W
1-218-724-11 s METAL 22K 0.50% 1/16W
R48
R52
R57
R66
R67
                               1-218-873-11 s METAL, CHIP 12K 0.50% 1/16W 1-218-833-11 s METAL CHIP 270 0.50% 1/16W 1-218-724-11 s METAL 22K 0.50% 1/16W 1-218-873-11 s METAL, CHIP 12K 0.50% 1/16W 1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W
R70
R71
R72
R73
                              1-218-840-11 s METAL CHIP 510 0.50% 1/16W
1-218-692-11 s METAL 1K 0.50% 1/16W
1-218-692-11 s METAL 1K 0.50% 1/16W
1-218-705-11 s METAL 3.6K 0.50% 1/16W
[for EVW-300P(EK)]
 R75
 R80
 R83
 R84
                                1-218-706-11 s METAL 3.9K 0.50% 1/16W
R90
                                1-218-708-11 s METAL 4.7K 0.50% 1/16W
1-218-708-11 s METAL 4.7K 0.50% 1/16W
1-218-708-11 s METAL 4.7K 0.50% 1/16W
1-211-990-11 s METAL CHIP 75 0.50% 1/16W
1-218-868-11 s METAL CHIP 7.5K 0.50% 1/16W
 R92
R93
 R102
 R103
                                1-218-856-11 s CHIP, METAL 2.4K 0.50% 1/16W 1-218-704-11 s METAL 3.3K 0.50% 1/16W 1-218-708-11 s METAL 4.7K 0.50% 1/16W 1-218-706-11 s METAL 3.9K 0.50% 1/16W 1-211-977-11 s METAL CHIP 22 0.50% 1/16W
 R104
 R105
 R107
  R108
  R109
                                1-218-889-11 s CHIP, METAL 56K 0.50% 1/16W 1-218-736-11 s METAL 68K 0.50% 1/16W 1-211-977-11 s METAL CHIP 22 0.50% 1/16W 1-218-692-11 s METAL 1K 0.50% 1/16W 1-218-883-11 s METAL 33K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
  R110
 R111
R113
  R115
                                1-218-708-11 s METAL 4.7K 0.50% 1/16W [for EVW-300P(EK)]
1-218-716-11 s METAL 10K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
1-218-714-11 s METAL 8.2K 0.50% 1/16W [for EVW-300P(EK)]
1-218-727-11 s METAL 30K 0.50% 1/16W 1-218-723-11 s METAL 20K 0.50% 1/16W
  R117
  R121
  R121
                                 1-218-881-11 s METAL CHIP 27K 0.50% 1/16W 1-218-881-11 s METAL CHIP 27K 0.50% 1/16W 1-211-990-11 s METAL CHIP 75 0.50% 1/16W 1-218-725-11 s METAL 24K 0.50% 1/16W 1-218-840-11 s METAL CHIP 510 0.50% 1/16W
  R129
  R130
   R137
   R141
   R145
                                 1-218-717-11 s METAL 11K 0.50% 1/16W
1-218-700-11 s METAL 2.2K 0.50% 1/16W
1-218-710-11 s METAL 5.6K 0.50% 1/16W
1-218-692-11 s METAL 1K 0.50% 1/16W
1-218-836-11 s METAL CHIP 360 0.50% 1/16W
   R149
   R150
R151
   R190
                                 1-218-836-11 s METAL CHIP 360 0.50% 1/16W
1-218-724-11 s METAL 22K 0.50% 1/16W
1-218-883-11 s METAL 33K 0.50% 1/16W
1-218-692-11 s METAL 1K 0.50% 1/16W
1-218-692-11 s METAL 1K 0.50% 1/16W
   R222
   R223
R230
    R231
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(ES-4/4P BOARD) Ref. No. or Q'ty Part No. SP Description 1-218-883-11 s METAL 33K 0.50% 1/16W 1-218-706-11 s METAL 3.9K 0.50% 1/16W 1-218-700-11 s METAL 2.2K 0.50% 1/16W R307 R308 R309 1-238-091-11 s RES, ADJ METAL 22K 1-238-091-11 s RES, ADJ METAL 22K 1-238-090-11 s RES, ADJ, 10K 1-238-091-11 s RES, ADJ METAL 22K 1-238-090-11 s RES, ADJ, 10K RV2 RV3 RV4 RV5 1-238-090-11 s RES, ADJ, 10K 1-238-089-11 s RES, ADJ, 4.7K 1-238-088-11 s RES, ADJ, 2.2K 1-238-089-11 s RES, ADJ, 4.7K 1-238-089-11 s RES, ADJ, 4.7K RV6 RV7 RV8 RV9 RV10 1-238-089-11 s RES, ADJ, 4.7K 1-238-089-11 s RES, ADJ, 4.7K 1-238-088-11 s RES, ADJ, 2.2K 1-238-090-11 s RES, ADJ, 10K RV12 RV13 RV14 RV15 S1 1-572-272-11 s SWITCH, SLIDE

FP-40/40I	P BOARD	(FP-40/40P	BOARD)	
Ref. No.	Part No. SP Description	Ref. No. or Q'ty Pa	art No. SP Description	
lpc lpc lpc	A-8271-250-A o MOUNTED CIRCUIT BOARD, FP-40  [for EVW-300(J), EVW-300(UC)]  A-8271-336-A o MOUNTED CIRCUIT BOARD, FP-40P  [for EVW-300P(EK)]  3-171-678-01 o HOLDER, LCD	C245 1: C246 1: C247 1: C248 1: C249 1:	-162-965-11 s CERAMIC 0.0015uF 10% 50V -164-173-11 s CERAMIC 0.0039uF 10% 50V -162-957-11 s CERAMIC 220PF 5% 50V -162-966-11 s CERAMIC, CHIP 0.0022uF 10% 50V -162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V	
C1 C2 C3 C4 C5	1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-135-210-11 s TANTALUM 4.7uF 10% 10V 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V 1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V 1-135-210-11 s TANTALUM 4.7uF 10% 10V	C250 1: C251 1: C252 1: C253 1: C254 1:	-162-910-11 s CERAMIC 5PF 0.25PF 50V -164-315-11 s CERAMIC 470PF 5% 50V -162-910-11 s CERAMIC 5PF 0.25PF 50V -162-968-11 s CERAMIC, CHIP 0.0047uF 10% 50V -162-957-11 s CERAMIC 220PF 5% 50V	
	1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V 1-135-166-21 s TANTALUM, CHIP 47uF 10% 10V 1-135-210-11 s TANTALUM 4.7uF 10% 10V 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V 1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V		-162-587-11 s CERAMIC 0.039uF 10% 25V -162-963-11 s CERAMIC, CHIP 680PF 10% 50V -164-174-11 s CERAMIC 0.0082uF 10% 25V -135-216-11 s TANTALUM, CHIP 10uF 20% 10V -135-177-21 s TANTALUM, CHIP 1uF 10% 25V	
	1-135-210-11 s TANTALUM 4.7uF 10% 10V 1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V 1-135-166-21 s TANTALUM, CHIP 47uF 10% 10V		-135-216-11 s TANTALUM, CHIP 10uF 20% 10V -135-216-11 s TANTALUM, CHIP 10uF 20% 10V -135-179-21 s TANTAL 2.2uF 10% 16V -135-166-21 s TANTALUM, CHIP 47uF 10% 10V -135-166-21 s TANTALUM, CHIP 47uF 10% 10V	
C27 C28 C29 C30 C31	1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V 1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V 1-135-210-11 s TANTALUM 4.7uF 10% 10V 1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V 1-135-166-21 s TANTALUM, CHIP 47uF 10% 10V	C265 1- C266 1- C270 1- C271 1- C301 1-	-164-217-11 s CERAMIC 150PF 5% 50V -162-966-11 s CERAMIC, CHIP 0.0022uF 10% 50V -162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V -163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V -135-210-11 s TANTALUM 4.7uF 10% 10V	
C32 C33 C101 C102 C103	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V	C303 1- C304 1- C305 1- C306 1-	-135-210-11 s TANTALUM 4.7uF 10% 10V -135-210-11 s TANTALUM 4.7uF 10% 10V -162-915-11 s CERAMIC, CHIP 10PF 0.5PF 50V -124-228-11 s ELECT 22uF 20% 10V -162-915-11 s CERAMIC, CHIP 10PF 0.5PF 50V	
C151 C152 C153 C154 C155	1-164-357-11 s CERAMIC 1000PF 5% 50V 1-126-162-11 s ELECT 3.3uF 20% 50V 1-126-162-11 s ELECT 3.3uF 20% 50V 1-162-915-11 s CERAMIC, CHIP 10PF 0.5PF 50V 1-162-915-11 s CERAMIC, CHIP 10PF 0.5PF 50V 1-164-357-11 s CERAMIC 1000PF 5% 50V	C307 1- C309 1- C311 1- C312 1- C313 1-	-124-228-11 s ELECT 22uF 20% 10V -135-179-21 s TANTAL 2.2uF 10% 16V -124-566-11 s ELECT 120uF 20% 6.3V -164-361-11 s CERAMIC 0.047uF 16V -124-584-00 s ELECT 100uF 20% 10V	
C171 C172 C173 C174 C175	1-164-357-11 s CERAMIC 1000PF 5% 50V 1-126-162-11 s ELECT 3.3uF 20% 50V 1-126-162-11 s ELECT 3.3uF 20% 50V 1-162-915-11 s CERAMIC, CHIP 10PF 0.5PF 50V 1-162-915-11 s CERAMIC, CHIP 10PF 0.5PF 50V	C316 1- C317 1-	-164-227-11 s CERAMIC 0.022uF 10% 25V -164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V -135-211-11 s TANTALUM, CHIP 6.8uF 20% 6.3V -135-211-11 s TANTALUM, CHIP 6.8uF 20% 6.3V -135-211-11 s TANTALUM, CHIP 6.8uF 20% 6.3V	
C221 C222 C224 C225 C227	1-124-584-00 s ELECT 100uF 20% 10V 1-164-361-11 s CERAMIC 0.047uF 16V 1-135-177-21 s TANTALUM, CHIP 1uF 10% 25V 1-162-969-11 s CERAMIC 0.0068uF 10% 25V 1-162-967-11 s CERAMIC 0.0033uF 10% 50V [for EVW-300(J), EVW-300(UC)]	C320 1- C321 1- C322 1-	-135-211-11 s TANTALUM, CHIP 6.8uF 20% 6.3V -135-211-11 s TANTALUM, CHIP 6.8uF 20% 6.3V -135-211-11 s TANTALUM, CHIP 6.8uF 20% 6.3V -126-154-11 s ELECT 47uF 20% 6.3V -126-154-11 s ELECT 47uF 20% 6.3V	
C229 C230 C231 C232 C234	1-135-166-21 s TANTALUM, CHIP 47uF 10% 10V 1-164-361-11 s CERAMIC 0.047uF 16V 1-135-210-11 s TANTALUM 4.7uF 10% 10V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-135-179-21 s TANTAL 2.2uF 10% 16V	C325 1- C327 1- C331 1-	-135-161-21 s TANTALUM, CHIP 22uF 10% 10V -135-166-21 s TANTALUM, CHIP 47uF 10% 10V -135-210-11 s TANTALUM 4.7uF 10% 10V -124-566-11 s ELECT 120uF 20% 6.3V -164-227-11 s CERAMIC 0.022uF 10% 25V	
C237 C238 C239	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V	C502 1- C503 1- C506 1-	-164-361-11 s CERAMIC 0.047uF 16V -164-361-11 s CERAMIC 0.047uF 16V -126-154-11 s ELECT 47uF 20% 6.3V -164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V -164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	
C241 C242 C243 C244	1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-162-957-11 s CERAMIC 220PF 5% 50V	C509 1- C510 1-	-164-361-11 s CERAMIC 0.047uF 16V -164-361-11 s CERAMIC 0.047uF 16V -162-919-11 s CERAMIC, CHIP 22PF 5% 50V -162-919-11 s CERAMIC, CHIP 22PF 5% 50V	

### (FP-40/40P BOARD) (FP-40/40P BOARD) Ref. No. or Q'ty Part No. Ref. No. or Q'ty Part No. SP Description SP Description 1-410-380-31 s INDUCTOR CHIP 8.2uH 1-410-393-11 s INDUCTOR CHIP 100uH C512 1-164-361-11 s CERAMIC 0.047uF 16V L152 L171 L172 1-565-209-11 s CONNECTOR, FPC (ZIF) 26P 1-565-209-11 s CONNECTOR, FPC (ZIF) 26P 1-564-002-11 s PIN, CONNECTOR 3P 1-506-468-11 s CONNECTOR, 3P, MALE 1-564-001-11 o CONNECTOR, 2P, MALE CN2 CN3 CN4 CN5 L201 1-410-658-31 s INDUCTOR CHIP 220uH 1-408-798-00 s INDUCTOR CHIP 1MMH 1-410-381-11 s INDUCTOR CHIP 10uH L202 L303 1-506-467-11 s CONNECTOR, 2P, MALE 1-506-468-11 s CONNECTOR, 3P, MALE 1-506-467-11 s CONNECTOR, 2P, MALE L502 CN7 LCD501 1-807-981-12 s DISPLAY PANEL, LIQUID CRYSTAL CN8 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-905-18 s TRANSISTOR DTC144EU 8-719-800-76 s DIODE 1SS226 8-719-800-76 s DIODE 1SS226 8-719-800-76 s DIODE 1SS226 8-719-800-76 s DIODE 1SS226 D1 Q1 Q2 Q3 Q4 Q5 D6 D7 D151 8-719-800-76 s DIODE 1SS226 D152 Q6 Q7 Q8 Q9 Q10 8-719-800-76 s DIODE 1SS226 8-719-800-76 s DIODE 1SS226 8-719-404-35 s DIODE MA141WK 8-719-110-39 s DIODE RD15ESB1 8-719-800-76 s DIODE 1SS226 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 D172 D301 D302 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 D303 8-729-905-18 s TRANSISTOR DTC144EU 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-719-110-06 s DIODE RD8.2ES-B1 8-719-911-19 s DIODE 1SS119 8-719-911-19 s DIODE 1SS119 8-719-404-35 s DIODE MA141WK 8-719-820-05 s DIODE 1SS181 Q11 Q12 Q13 Q14 Q15 D304 D306 D307 D308 D309 8-719-820-05 s DIODE 1SS181 8-719-820-05 s DIODE 1SS181 8-719-955-05 s DIODE BR5505S 8-719-987-74 s DIODE GL3HY43 8-719-987-74 s DIODE GL3HY43 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-905-18 s TRANSISTOR DTC144EU D311 D501 Q17 Q207 8-729-220-93 s TRANSISTOR DECITABLE [for EVW-300(J), EVW-300(UC)] 8-729-220-93 s TRANSISTOR 2SK209-G [for EVW-300(J), EVW-300(UC)] 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 D502 Q208 D503 8-719-987-74 s DIODE GL3HY43 8-719-987-74 s DIODE GL3HY43 Q209 D504 D505 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 0210 Q216 Q217 Q301 1-236-145-11 s FILTER, BAND PASS FL201 8-759-111-56 s IC UPC4572G2 IC2 IC4 IC5 Q302 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-905-23 s TRANSISTOR 2SA1576R 8-729-209-07 s TRANSISTOR 2SC4213-B 8-729-905-23 s TRANSISTOR 2SA1576R 8-729-209-07 s TRANSISTOR 2SC4213-B Q303 Q304 Q305 Q306 8-759-939-41 s IC S-81230AG-RB 8-759-111-56 s IC UPC4572G2 8-759-111-56 s IC UPC4572G2 8-759-111-56 s IC UPC4572G2 8-759-111-56 s IC UPC4572G2 **Q307** IC10 ĪČ151 IC152 8-729-209-07 s TRANSISTOR 2SC4213-B 8-729-209-07 s TRANSISTOR 2SC4213-B 8-729-905-23 s TRANSISTOR 2SA1576R 8-729-905-18 s TRANSISTOR DTC144EU 8-729-905-18 s TRANSISTOR DTC144EU Q309 Q310 Q311 Q311 Q502 IC171 8-759-111-56 s IC UPC4572G2 8-752-003-69 s IC CX20037A 8-759-111-56 s IC UPC4572G2 8-759-100-96 s IC UPC4558G2 8-759-745-64 s IC NJM4560M IC201 IC301 8-729-905-18 s TRANSISTOR DTC144EU 8-729-920-99 s TRANSISTOR DTA114EU Q503 IC302 **Q**504 IC303 1-218-706-11 s METAL 3.9K 0.50% 1/16W 1-218-851-11 s METAL CHIP 1.5K 0.50% 1/16W 1-218-706-11 s METAL 3.9K 0.50% 1/16W 1-218-714-11 s METAL 8.2K 0.50% 1/16W 1-218-684-11 s METAL 470 0.50% 1/16W 8-759-700-50 s IC NJM386M 8-759-300-71 s IC MC14053BF 8-759-300-71 s IC MC14053BF 8-759-300-71 s IC MC14053BF 8-759-100-96 s IC UPC4558G2 IC304 ĪC305 R3 IC306 IC307 R7 R8 R9 IC308 1-218-874-11 s METAL CHIP 13K 0.50% 1/16W 1-218-716-11 s METAL 10K 0.50% 1/16W 1-218-723-11 s METAL 20K 0.50% 1/16W 1-218-723-11 s METAL 20K 0.50% 1/16W 1-218-700-11 s METAL 2.2K 0.50% 1/16W IC502 IC503 8-752-835-84 s IC CXP5078H-618Q R10 R12 R13 1-808-016-11 s ARRAY, LED 1-410-389-31 s INDUCTOR CHIP 47uH 1-410-389-31 s INDUCTOR CHIP 47uH R15 R16 L102

(FP-40/4	OP BOARD)	(FP-40/40P BOARD)
Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R17 R35 R36 R39 R40	1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W 1-218-706-11 s METAL 3.9K 0.50% 1/16W 1-218-851-11 s METAL CHIP 1.5K 0.50% 1/16W 1-218-874-11 s METAL CHIP 13K 0.50% 1/16W 1-218-684-11 s METAL 470 0.50% 1/16W	RV1 1-230-337-11 s RES, VAR, CARBON 10K RV2 1-230-337-11 s RES, VAR, CARBON 10K RV3 1-230-337-11 s RES, VAR, CARBON 10K RV4 1-238-007-11 s RES, ADJ, METAL 100K RV201 1-238-005-11 s RES, ADJ, METAL 10K
R42 R43 R45 R46 R47	1-218-716-11 s METAL 10K 0.50% 1/16W 1-218-723-11 s METAL 20K 0.50% 1/16W 1-218-723-11 s METAL 20K 0.50% 1/16W 1-218-700-11 s METAL 2.2K 0.50% 1/16W 1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W	RV202 1-238-006-11 s RES, ADJ, METAL 22K RV203 1-238-005-11 s RES, ADJ, METAL 10K RV303 1-230-337-11 s RES, VAR, CARBON 10K RV304 1-238-004-11 s RES, ADJ, METAL 4.7K RV305 1-238-004-11 s RES, ADJ, METAL 4.7K
R72 R73 R77 R78 R80	1-218-706-11 s METAL 3.9K 0.50% 1/16W 1-218-851-11 s METAL CHIP 1.5K 0.50% 1/16W 1-218-684-11 s METAL 470 0.50% 1/16W 1-218-874-11 s METAL CHIP 13K 0.50% 1/16W 1-218-716-11 s METAL 10K 0.50% 1/16W	RV306 1-238-004-11 s RES, ADJ, METAL 4.7K RV307 1-238-006-11 s RES, ADJ, METAL 22K RV308 1-238-006-11 s RES, ADJ, METAL 22K RV309 1-238-006-11 s RES, ADJ, METAL 22K RV501 1-237-518-21 s RES, ADJ, METAL 10K
R81 R83 R84 R85 R151	1-218-723-11 s METAL 20K 0.50% 1/16W 1-218-723-11 s METAL 20K 0.50% 1/16W 1-218-700-11 s METAL 2.2K 0.50% 1/16W 1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W 1-218-708-11 s METAL 4.7K 0.50% 1/16W	RV502 1-237-518-21 s RES, ADJ, METAL 10K S1 1-571-217-11 s SWITCH, SLIDE S2 1-571-217-11 s SWITCH, SLIDE S3 1-570-862-11 s SWITCH, SLIDE S4 1-570-862-11 s SWITCH, SLIDE
R152 R153 R154 R156 R157	1-218-723-11 s METAL 20K 0.50% 1/16W 1-218-723-11 s METAL 20K 0.50% 1/16W 1-218-700-11 s METAL 2.2K 0.50% 1/16W 1-218-702-11 s METAL 2.2K 0.50% 1/16W 1-218-708-11 s METAL 4.7K 0.50% 1/16W 1-218-740-11 s METAL 100K 0.50% 1/16W 1-218-740-11 s METAL 100K 0.50% 1/16W 1-218-76-11 s METAL 220 0.50% 1/16W 1-218-708-11 s METAL 4.7K 0.50% 1/16W	\$4
R158 R159 R160 R162 R163	1-218-708-11 s METAL 4.7K 0.50% 1/16W 1-218-708-11 s METAL 4.7K 0.50% 1/16W 1-218-708-11 s METAL 4.7K 0.50% 1/16W 1-218-708-11 s METAL 4.7K 0.50% 1/16W 1-218-867-11 s METAL, CHIP 6.8K 0.50% 1/16W	S502 1-692-098-11 s SWITCH, SLIDE [for EVW-300(J), EVW-300(UC)] S503 1-570-844-11 s SWITCH, SLIDE
R164 R165 R166 R171 R172	1-218-679-91 s METAL 300 0.50% 1/16W 1-218-867-11 s METAL, CHIP 6.8K 0.50% 1/16W 1-218-724-11 s METAL 22K 0.50% 1/16W 1-218-708-11 s METAL 4.7K 0.50% 1/16W 1-218-740-11 s METAL 100K 0.50% 1/16W	\$504
R173 R174 R176 R177	1-218-740-11 s METAL 100K 0.50% 1/16W 1-218-676-11 s METAL 220 0.50% 1/16W 1-218-708-11 s METAL 4.7K 0.50% 1/16W 1-218-708-11 s METAL 4.7K 0.50% 1/16W	\$509
R178 R179 R180	1-218-708-11 s METAL 4.7K 0.50% 1/16W 1-218-708-11 s METAL 4.7K 0.50% 1/16W 1-218-708-11 s METAL 4.7K 0.50% 1/16W	\$513 1-570-839-11 s SWITCH, SLIDE \$501 1-567-346-11 s OSCILLATOR, CERAMIC 0.5MHz [for EVW-300(J), EVW-300(UC)]
R182 R183 R184	1-218-708-11 s METAL 4.7K 0.50% 1/16W 1-218-867-11 s METAL, CHIP 6.8K 0.50% 1/16W 1-218-679-91 s METAL 300 0.50% 1/16W	X501 1-577-117-21 s VIBRATOR, CRYSTAL 4.433619MHz [for EVW-300P(EK)]
R185 R186 R253 R254 R350	1-218-867-11 s METAL, CHIP 6.8K 0.50% 1/16W 1-218-724-11 s METAL 22K 0.50% 1/16W 1-218-845-11 s METAL, CHIP 820 0.50% 1/16W 1-218-845-11 s METAL, CHIP 820 0.50% 1/16W 1-216-295-91 s METAL, CHIP 0 5% 1/10W	
R363 R364 R512 R513 R514	1-216-005-00 s METAL, CHIP 15 5% 1/10W 1-216-005-00 s METAL, CHIP 15 5% 1/10W 1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W 1-216-045-00 s METAL, CHIP 680 5% 1/10W 1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W	
R531 R532 R533	1-216-045-00 s METAL, CHIP 680 5% 1/10W 1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W 1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W	

IE-33/33		(IE-33/33P BOARD)		
Ref. No.	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description		
1pc	A-8271-261-A o MOUNTED CIRCUIT BOARD, IE-33 [for EVW-300(J), EVW-300(UC)]	C60 1-124-779-00 s ELECT 10uF 20% 16V 1-162-905-11 s CERAMIC 1PF 0.25PF 50V	1	
1pc 2pcs	A-8271-261-A o MOUNTED CIRCUIT BOARD, IE-33 [for EVW-300(J), EVW-300(UC)] A-8271-344-A o MOUNTED CIRCUIT BOARD, IE-33P [for EVW-300P(EK)] 7-627-554-27 s SCREW, PRECITION +P 2X6 TYPE1	C61	1	
C1 C2 C3 C4 C5	1-164-156-11 s CERAMIC 0.1uF 25V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-162-911-11 s CERAMIC, CHIP 6PF 50V	C65 1-162-921-11 s CERAMIC, CHIP 33PF 5% C66 1-162-921-11 s CERAMIC, CHIP 33PF 5% C67 1-135-177-21 s TANTALUM, CHIP 1uF 10% C68 1-126-193-11 s ELECT 1uF 20% 50V C69 1-162-964-11 s CERAMIC 0.001uF 10% 50	50V 50V 25V	
C6 C7 C8 C9 C10	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-162-915-11 s CERAMIC, CHIP 10PF 0.5PF 50V 1-135-210-11 s TANTALUM 4.7uF 10% 10V 1-135-210-11 s TANTALUM 4.7uF 10% 10V	C71 1-162-970-11 s CERAMIC, CHIP 0.01uF 1 C72 1-135-177-21 s TANTALUM, CHIP 1uF 10% C73 1-126-193-11 s ELECT 1uF 20% 50V C74 1-162-964-11 s CERAMIC 0.001uF 10% 50		
C11 C12 C14 C15 C16	1-135-070-00 s TANTALUM, CHIP 0.1uF 10% 35V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-162-911-11 s CERAMIC, CHIP 6PF 50V 1-124-778-00 s ELECT 22uF 20% 6.3V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V		.0% 25V	
C17 C18 C19 C20 C21	1-162-915-11 s CERAMIC, CHIP 10PF 0.5PF 50V 1-135-210-11 s TANTALUM 4.7uF 10% 10V 1-135-210-11 s TANTALUM 4.7uF 10% 10V 1-135-070-00 s TANTALUM, CHIP 0.1uF 10% 35V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V	C81	50V .0% 25V	
C23 C24 C25 C26 C27	1-162-909-11 s CERAMIC 4PF 0.25PF 50V 1-124-778-00 s ELECT 22uF 20% 6.3V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-162-915-11 s CERAMIC, CHIP 10PF 0.5PF 50V 1-135-210-11 s TANTALUM 4.7uF 10% 10V	C86 1-162-921-11 s CERAMIC, CHIP 33PF 5% C87 1-162-917-11 s CERAMIC, CHIP 15PF 5% C88 1-135-159-21 s TANTALUM, CHIP 10uF 10 C89 1-135-161-21 s TANTALUM, CHIP 22uF 10 C90 1-162-925-11 s CERAMIC, CHIP 68PF 5%	50V % 20V	
C28 C29 C30 C31 C32	1-135-210-11 s TANTALUM 4.7uF 10% 10V 1-135-070-00 s TANTALUM, CHIP 0.1uF 10% 35V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-124-778-00 s ELECT 22uF 20% 6.3V 1-162-915-11 s CERAMIC, CHIP 10PF 0.5PF 50V	C91 1-162-923-11 s CERAMIC, CHIP 47PF 5% C92 1-162-915-11 s CERAMIC, CHIP 10PF 0.5 C94 1-162-911-11 s CERAMIC, CHIP 6PF 50V C96 1-162-911-11 s CERAMIC, CHIP 6PF 50V C98 1-135-211-11 s TANTALUM, CHIP 6.8uF 2	PF 50V	
C33 C34 C35 C36 C37	1-135-177-21 s TANTALUM, CHIP 1uF 10% 25V 1-162-915-11 s CERAMIC, CHIP 10PF 0.5PF 50V 1-162-915-11 s CERAMIC, CHIP 10PF 0.5PF 50V 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V 1-135-177-21 s TANTALUM, CHIP 1uF 10% 25V	C99 1-135-211-11 s TANTALUM, CHIP 6.8uF 2 C100 1-135-211-11 s TANTALUM, CHIP 6.8uF 2 C101 1-162-916-11 s CERAMIC, CHIP 12PF 5% C103 1-162-905-11 s CERAMIC 1PF 0.25PF 50V C104 1-162-913-11 s CERAMIC 8PF 0.5PF 50V	0% 6.3V 50V	
C38 C39 C40 C41 C42	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V 1-124-778-00 s ELECT 22uF 20% 6.3V	C105	0% 25V 25V	
C43 C44 C45 C48 C49	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-124-779-00 s ELECT 10uF 20% 16V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-135-177-21 s TANTALUM, CHIP 1uF 10% 25V 1-126-193-11 s ELECT 1uF 20% 50V	C110 1-135-177-21 s TANTALUM, CHIP 1uF 10% C111 1-162-915-11 s CERAMIC, CHIP 10PF 0.5 C118 1-162-915-11 s CERAMIC, CHIP 10PF 0.5 C120 1-128-394-11 s ELECT 220uF 20% 10V C121 1-162-915-11 s CERAMIC, CHIP 10PF 0.5	PF 50V PF 50V	
C50 C51	1-162-964-11 s CERAMIC 0.001uF 10% 50V 1-164-156-11 s CERAMIC 0.1uF 25V	C122 1-162-915-11 s CERAMIC, CHIP 10PF 0.5		
C52 C53 C54	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-135-177-21 s TANTALUM, CHIP 1uF 10% 25V 1-126-193-11 s ELECT 1uF 20% 50V	CN1 1-691-856-11 s CONNECTOR, BOARD TO BO. D1 8-719-820-05 s DIODE 188181	AKU DUP	
C55 C56 C57 C59	1-162-964-11 s CERAMIC 0.001uF 10% 50V 1-164-156-11 s CERAMIC 0.1uF 25V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V	D2 8-719-820-05 s DIODE ISS181 D3 8-719-404-35 s DIODE MA141WK D4 8-719-404-35 s DIODE MA141WK D5 8-719-404-35 s DIODE MA141WK		

(IE-33/33P BOARD)	(IE-33/33P BOARD)		
Ref. No. or Q'ty Part No. SP Description			
D6 8-719-404-35 s DIODE MA141WK D7 8-719-404-35 s DIODE MA141WK D8 8-719-404-35 s DIODE MA141WK DL1 1-415-895-11 s DELAY LINE	Q16 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q17 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q18 8-729-905-23 s TRANSISTOR 2SA1576R Q19 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q20 8-729-142-90 s TRANSISTOR 2SK853-K5		
DL1 1-415-895-11 s DELAY LINE	Q20 8-729-142-90 s TRANSISTOR 2SK853-K5		
FL1 1-409-427-11 s FILTER, TRAP 14.3MHz FL2 1-409-427-11 s FILTER, TRAP 14.3MHz FL3 1-409-427-11 s FILTER, TRAP 14.3MHz IC1 8-759-906-53 s IC TL062CPS	Q21 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q22 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q23 8-729-905-23 s TRANSISTOR 2SA1576R Q24 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q25 8-729-905-23 s TRANSISTOR 2SA1576R		
FL1 1-409-427-11 s FILTER, TRAP 14.3MHz FL2 1-409-427-11 s FILTER, TRAP 14.3MHz FL3 1-409-427-11 s FILTER, TRAP 14.3MHz IC1 8-759-906-53 s IC TL062CPS IC2 8-759-300-71 s IC MC14053BF IC3 8-759-906-53 s IC TL062CPS IC4 8-759-300-71 s IC MC14053BF IC5 8-759-234-77 s IC TC4866F IC6 8-759-209-57 s IC TC4869F IC7 8-759-204-51 s IC TC40H008F	Q26 8-729-905-23 s TRANSISTOR 2SA1576R Q27 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q28 8-729-117-72 s TRANSISTOR 2SC4178		
IC6 8-759-209-57 s IC TC4S69F IC7 8-759-204-51 s IC TC40H008F	Q29 8-729-117-72 s TRANSISTOR 2SC4178 Q30 8-729-905-23 s TRANSISTOR 2SA1576R		
IC9 8-759-925-90 s IC SN74HC74ANS IC10 8-759-635-27 s IC M62352GP IC11 8-759-209-57 s IC TC4869F	Q31 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q32 8-729-905-23 s TRANSISTOR 2SA1576R Q33 8-729-905-23 s TRANSISTOR 2SA1576R Q34 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q35 8-729-905-23 s TRANSISTOR 2SA1576R		
IC12 8-759-234-20 s IC TC7808F IC14 8-752-332-69 s IC CXL5504M IC15 8-752-332-69 s IC CXL5504M	Q35 8-729-905-23 s TRANSISTOR 2SA1576R Q36 8-729-905-23 s TRANSISTOR 2SA1576R		
IC16 8-752-332-69 s IC CXL5504M IC17 8-752-332-69 s IC CXL5504M IC18 8-759-204-40 s IC TC40H027F	Q36 8-729-905-23 s TRANSISTOR 2SA1576R Q37 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q38 8-729-117-72 s TRANSISTOR 2SC4178 Q39 8-729-117-72 s TRANSISTOR 2SC4178 Q40 8-729-905-23 s TRANSISTOR 2SA1576R		
IC19 8-759-201-50 s IC TC40H193F IC20 8-759-927-46 s IC SN74HC00ANS	Q40 8-729-905-23 s TRANSISTOR 2SA1576R 041 8-729-120-28 s TRANSISTOR 2SC1623-1516		
1C19 8-759-201-50 s 1C TC40H193F 1C20 8-759-927-46 s IC SN74HC00ANS 1C21 8-759-925-90 s IC SN74HC74ANS 1C22 8-759-925-90 s IC SN74HC74ANS 1C23 8-759-925-72 s IC SN74HC02ANS	041 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 042 8-729-905-23 s TRANSISTOR 2SA1576R 043 8-729-905-23 s TRANSISTOR 2SA1576R		
IC23 8-759-925-72 s IC SN74HC02ANS	044 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q45 8-729-117-72 s TRANSISTOR 2SC4178		
L1 1-410-385-11 s INDUCTOR, CHIP 22uH L2 1-410-377-31 s INDUCTOR CHIP 4.7uH L3 1-410-373-31 s INDUCTOR CHIP 2.2uH L4 1-410-377-31 s INDUCTOR CHIP 4.7uH L5 1-410-373-31 s INDUCTOR CHIP 2.2uH	Q46 8-729-117-72 s TRANSISTOR 2SC4178 Q47 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q48 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q49 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q50 8-729-117-72 s TRANSISTOR 2SC4178		
L6 1-410-387-11 s INDUCTOR CHIP 33uH L7 1-410-387-11 s INDUCTOR CHIP 33uH L8 1-412-282-41 s INDUCTOR 470uH L9 1-410-385-11 s INDUCTOR, CHIP 22uH L10 1-410-385-11 s INDUCTOR, CHIP 22uH	Q51       8-729-120-28 s       TRANSISTOR 2SC1623-L5L6         Q52       8-729-120-28 s       TRANSISTOR 2SC1623-L5L6         Q53       8-729-120-28 s       TRANSISTOR 2SC1623-L5L6         Q57       8-729-120-28 s       TRANSISTOR 2SC1623-L5L6         Q58       8-729-120-28 s       TRANSISTOR 2SC1623-L5L6		
L11 1-410-385-11 s INDUCTOR, CHIP 22uH L12 1-410-389-31 s INDUCTOR CHIP 47uH L13 1-410-385-11 s INDUCTOR, CHIP 22uH	Q59 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q60 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q61 8-729-905-23 s TRANSISTOR 2SA1576R		
Q1 8-729-905-23 s TRANSISTOR 2SA1576R Q2 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q3 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q4 8-729-905-23 s TRANSISTOR 2SA1576R Q5 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	R1 1-218-692-11 s METAL 1K 0.50% 1/16W R2 1-218-730-11 s METAL 39K 0.50% 1/16W R19 1-218-692-11 s METAL 1K 0.50% 1/16W R20 1-218-730-11 s METAL 39K 0.50% 1/16W R26 1-218-699-11 s METAL, CHIP 2K 0.50% 1/16W		
Q6 8-729-142-90 s TRANSISTOR 2SK853-K5 Q7 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q8 8-729-905-23 s TRANSISTOR 2SA1576R Q9 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q10 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	R36		
Q11 8-729-905-23 s TRANSISTOR 2SA1576R Q12 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q13 8-729-142-90 s TRANSISTOR 2SK853-K5 Q14 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q15 8-729-905-23 s TRANSISTOR 2SA1576R	R76 1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W R86 1-218-722-11 s METAL, CHIP 18K 0.50% 1/16W R87 1-218-873-11 s METAL, CHIP 12K 0.50% 1/16W R90 1-218-684-11 s METAL 470 0.50% 1/16W R93 1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W		

### (IE-33/33P BOARD)

Ref. No. or Q'ty Part No. SP Description 1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W 1-218-722-11 s METAL, CHIP 18K 0.50% 1/16W 1-218-873-11 s METAL, CHIP 12K 0.50% 1/16W 1-218-684-11 s METAL 470 0.50% 1/16W 1-218-710-11 s METAL 5.6K 0.50% 1/16W R104 R105 R108 R111 1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W 1-218-710-11 s METAL 5.6K 0.50% 1/16W 1-218-716-11 s METAL 10K 0.50% 1/16W 1-218-716-11 s METAL 10K 0.50% 1/16W 1-218-708-11 s METAL 4.7K 0.50% 1/16W R113 R122 R123 R125 R131 R134 R135 R136 R137 1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W 1-218-836-11 s METAL CHIP 360 0.50% 1/16W 1-218-836-11 s METAL CHIP 360 0.50% 1/16W 1-218-858-11 s METAL CHIP 3K 0.50% 1/16W 1-218-700-11 s METAL 2.2K 0.50% 1/16W 1-218-706-11 s METAL 3.9K 0.50% 1/16W 1-218-873-11 s METAL, CHIP 12K 0.50% 1/16W 1-218-873-11 s METAL, CHIP 12K 0.50% 1/16W 1-218-873-11 s METAL, CHIP 12K 0.50% 1/16W 1-218-692-11 s METAL 1K 0.50% 1/16W R161 R164 R165 R184 1-238-089-11 s RES, ADJ, 4.7K 1-238-089-11 s RES, ADJ, 4.7K 1-238-089-11 s RES, ADJ, 4.7K 1-241-266-11 s RES, ADJ, METAL 50K 1-241-266-11 s RES, ADJ, METAL 50K RV2 RV3 RV5 1-241-266-11 s RES, ADJ, METAL 50K 1-238-089-11 s RES, ADJ, 4.7K RV6 RV7 RV8 RV9 RV10 1-241-262-11 s RES, ADJ, METALT 2K 1-241-263-11 s RES, ADJ, METALT 5K 1-241-263-11 s RES, ADJ, METALT 5K 1-238-090-11 s RES, ADJ, 10K 1-238-088-11 s RES, ADJ, 2.2K RV11 RV12 RV13 RV14 RV16 1-238-091-11 s RES, ADJ METAL 22K 1-238-088-11 s RES, ADJ, 2.2K RV18 1-572-272-11 s SWITCH, SLIDE [for EVW-300(J), EVW-300(UC)] **S**1

### KY-191 BOARD

Ref. No. or Q'ty	Part No. SP	Description		
CN1	1-949-510-11 o	HARNESS (KY-MB)		
D1 D2 D3 D4 D5	8-719-049-48 s 8-719-049-48 s 8-719-049-48 s 8-719-801-78 s 8-719-801-78 s	DIODE LTIDIIA DIODE LTIDIIA DIODE LTIDIIA DIODE 1SS184 DIODE 1SS184		
D6	8-719-801-78 s	DIODE 1SS184		
R1 R2 R3	1-216-049-91 s 1-216-049-91 s 1-216-049-91 s	METAL 1K 5% 1/10V METAL 1K 5% 1/10V METAL 1K 5% 1/10V		
\$1 \$2 \$3 \$4 \$5	1-554-371-51 s 1-554-371-51 s 1-554-371-51 s 1-554-371-51 s 1-554-371-51 s	SWITCH, TACTILE SWITCH, TACTILE SWITCH, TACTILE SWITCH, TACTILE SWITCH, TACTILE		

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MB-381/381P BAORD
Ref. No. or Q'ty Part No.
                                                        SP Description
                       A-8271-254-A o MOUNTED CIRCUIT BOARD, MB-381

[for EVW-300(J), EVW-300(UC)]

A-8271-342-A o MOUNTED CIRCUIT BOARD, MB-381P

[for EVW-300P(EK)]
1pc
1pc
                       1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
1-164-360-11 s CERAMIC 0.1uF 16V
1-164-360-11 s CERAMIC 0.1uF 16V
1-164-360-11 s CERAMIC 0.1uF 16V
1-135-210-11 s TANTALUM 4.7uF 10% 10V
                       1-135-210-11 s TANTALUM 4.7uF 10% 10V
1-164-360-11 s CERAMIC 0.1uF 16V
1-135-167-21 s TANTALUM, CHIP 68uF 20% 6.3V
1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
C25
C28
C29
C31
C32
                       1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-164-360-11 s CERAMIC 0.1uF 16V 1-135-167-21 s TANTALUM, CHIP 68uF 20% 6.3V 1-162-909-11 s CERAMIC 4PF 0.25PF 50V
C33
C34
C35
C41
C42
                       1-162-922-11 s CERAMIC, CHIP 39PF 5% 50V [for EVW-300(J), EVW-300(UC)] 1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V
C43
C43
                       1-164-360-11 s CERAMIC 0.1uF 16V

1-162-909-11 s CERAMIC 4PF 0.25PF 50V

1-162-909-11 s CERAMIC 4PF 0.25PF 50V
C44
C45
C46
                       1-135-167-21 s TANTALUM, CHIP 68uF 20% 6.3V
1-135-167-21 s TANTALUM, CHIP 68uF 20% 6.3V
1-164-360-11 s CERAMIC 0.1uF 16V
1-164-360-11 s CERAMIC 0.1uF 16V
C48
C49
                       1-691-856-11 s CONNECTOR, BOARD TO BOARD 60P
1-506-472-11 s CONNECTOR, 7P, MALE
1-506-473-11 o CONNECTOR, 8P, MALE
1-506-469-11 s CONNECTOR, 4P, MALE
CN11
CN12
CN13
                       1-506-488-11 s CONNECTOR, 9P, MALE
CN14
CN15
                       1-564-014-11 s CONNECTOR 4P, MALE
D11
                       8-719-106-43 s DIODE RD9.1M-B1
                       8-759-710-86 s IC NJM2233BM
8-759-256-44 s IC NJM2235M-TE2
8-759-262-03 s IC MC14577CF
8-759-262-03 s IC MC14577CF
IC22
IC41
ĨC42
                       1-410-369-11 s INDUCTOR CHIP 1uH
1-410-389-31 s INDUCTOR CHIP 47uH
[for EVW-300(J), EVW-300(UC)]
1-410-388-31 s INDUCTOR, CHIP 39uH
L11
L41
L41
                                                                                                             [for EVW-300P(EK)]
                       8-729-905-12 s TRANSISTOR DTA144EU
8-729-120-28 s TRANSISTOR 2SC1623-L5L6
8-729-101-07 s TRANSISTOR 2SB798
8-729-120-28 s TRANSISTOR 2SC1623-L5L6
8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q11
Q12
Q13
Q31
Q32
                       8-729-120-28 s TRANSISTOR 2SC1623-L5L6
8-729-120-28 s TRANSISTOR 2SC1623-L5L6
8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q36
Q37
                       1-211-990-11 s METAL CHIP 75 0.50% 1/16W
1-211-990-11 s METAL CHIP 75 0.50% 1/16W
1-218-851-11 s METAL CHIP 1.5K 0.50% 1/16W
R24
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(MB-381/381P BAORD)

Ref. No. or Q'ty	Part No. SP	Description
R44	1-211-990-11 s 1-218-684-11 s 1-218-841-11 s	METAL 2.2K 0.50% 1/16W METAL CHIP 75 0.50% 1/16W METAL 470 0.50% 1/16W METAL CHIP 560 0.50% 1/16W METAL CHIP 1.5K 0.50% 1/16W
R54 R55 R56 R57 R58	1-211-990-11 s 1-218-692-11 s 1-218-692-11 s	METAL 2.2K 0.50% 1/16W METAL CHIP 75 0.50% 1/16W METAL 1K 0.50% 1/16W METAL 1K 0.50% 1/16W METAL 2.2K 0.50% 1/16W
R59 R60 R61	1-211-990-11 s	METAL 2.2K 0.50% 1/16W METAL CHIP 75 0.50% 1/16W METAL CHIP 75 0.50% 1/16W
\$1	1-553-906-00 s	SWITCH, SLIDE

MB-384/384P BOARD			(MB-384/384P BOARD)		
Ref. No.	Part No. SP Description	Ref. No.	Part No. SP Description		
1pc	A-8271-259-A o MOUNTED CIRCUIT BOARD, MB-384	CN6	1-565-877-11 s PIN, CONNECTOR (PC BOARD) 5P		
1pc	[for EVW-300(J), EVW-300(UC)] A-8271-341-A o MOUNTED CIRCUIT BOARD, MB-384P [for EVW-300P(EK)]	CN7 CN8 CN9	1-506-481-11 s CONNECTOR, 2P, MALE 1-506-481-11 s CONNECTOR, 2P, MALE 1-506-481-11 s CONNECTOR, 2P, MALE		
lpc lpc lpc	1-562-739-11 o HOUSING, CONNECTOR 6P 1-564-832-11 o CONTACT 1-569-193-11 o CONTACT, AWG24-30	CN11 CN12	1-691-855-11 s CONNECTOR, BOARD TO BOARD 60P 1-691-855-11 s CONNECTOR, BOARD TO BOARD 60P		
1pc	1-569-199-11 o PLUG HOUSING, 6P	CN13 CN14	1-691-855-11 s CONNECTOR, BOARD TO BOARD 60P 1-691-855-11 s CONNECTOR, BOARD TO BOARD 60P		
C1	1-135-166-21 s TANTALUM, CHIP 47uF 10% 10V	CN15 CN18	1-691-855-11 s CONNECTOR, BOARD TO BOARD 60P 1-566-759-11 o PIN, CONNECTOR (PC BOARD) 4P		
C2	[for EVW-300P(EK)] 1-135-155-21 s TANTALUM, CHIP 4.7uF 10% 16V [for EVW-300P(EK)]	CN19 CN20	1-564-014-11 s CONNECTOR 4P, MALE 1-566-199-11 o PIN, CONNECTOR (PC BOARD) 6P		
C3 C4 C9	1-164-156-11 s CERAMIC 0.1uF 25V 1-135-210-11 s TANTALUM 4.7uF 10% 10V 1-135-181-21 s TANTALUM, CHIP 4.7uF 10% 6.3V	CN21 CN22 CN23	1-506-487-11 s CONNECTOR, 8P, MALE 1-506-485-11 s CONNECTOR, 6P, MALE 1-691-853-11 o CONNECTOR POST HEADER, 1LG 15P		
C10 C13	1-162-964-11 s CERAMIC 0.001uF 10% 50V	CN24	1-506-483-21 s CONNECTOR, 4P, MALE		
C14 C15	1-162-11 S CERAMIC 0.1uF 25V 1-135-076-21 S TANTALUM, CHIP 1uF 10% 35V 1-162-915-11 S CERAMIC CHIP 10PF 0 5PF 50V	CP1	1-577-181-11 s OSCILLATOR, CRYSTAL [for EVW-300(J), EVW-300(UC)]		
C16	1-162-915-11 s CERAMIC, CHIP 10PF 0.5PF 50V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V	CP1	1-577-182-11 s OSCILLATOR, CRYSTAL 28.375MHz		
C19 C21 C24 C25 C26	1-135-166-21 s TANTALUM, CHIP 47uF 10% 10V 1-135-181-21 s TANTALUM, CHIP 4.7uF 10% 6.3V 1-164-156-11 s CERAMIC 0.1uF 25V 1-164-156-11 s CERAMIC 0.1uF 25V 1-162-964-11 s CERAMIC 0.001uF 10% 50V	D1 D2 D3 D4	[for EVW-300P(EK)]  8-719-820-05 s DIODE 1SS181 8-719-820-05 s DIODE 1SS181 8-719-820-05 s DIODE 1SS181 8-719-800-76 s DIODE 1SS226		
C27	1-162-964-11 s CERAMIC 0.001uF 10% 50V	D5	8-719-820-05 s DIODE 1SS181		
C28 C29 C30 C31	1-162-964-11 s CERAMIC 0.001uF 10% 50V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-128-499-11 s ELECT 220uF 20% 16V 1-135-164-21 s TANTALUM, CHIP 22uF 20% 10V 1-135-076-21 s TANTALUM, CHIP 1uF 10% 35V	D6 D7 D8 D9 D10	8-719-820-05 s DIODE 188181 8-719-820-05 s DIODE 188181 8-719-025-31 s DIODE 02CZ5.6-TE85L 8-719-820-05 s DIODE 188181 8-719-820-05 s DIODE 188181		
C32 C33	1-135-076-21 s TANTALUM, CHIP 1uF 10% 35V 1-135-076-21 s TANTALUM, CHIP 1uF 10% 35V 1-135-076-21 s TANTALUM, CHIP 1uF 10% 35V	FB1	1-543-775-11 s FILTER, EMI		
C34 C35	1-135-076-21 s TANTALUM, CHIP 1uF 10% 35V 1-135-076-21 s TANTALUM, CHIP 1uF 10% 35V	FB2 FB3	1-543-775-11 s FILTER, EMI 1-543-775-11 s FILTER, EMI		
C36	1-126-397-11 s ELECT, CHIP 33uF 20% 25V	FB4 FB5	1-543-775-11 s FILTER, EMI 1-543-775-11 s FILTER, EMI		
C37 C38	1-126-397-11 s ELECT, CHIP 33uF 20% 25V 1-126-916-11 s ELECT 1000uF 20% 6.3	FB6	1-543-775-11 s FILTER, EMI		
C40 C41	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V	FB7 FB8	1-543-775-11 s FILTER, EMI 1-543-775-11 s FILTER, EMI		
C42	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V	FB9 FB10	1-543-775-11 s FILTER, EMI 1-543-775-11 s FILTER, EMI		
C43	1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V [for EVW-300(J), EVW-300(UC)]	IC1	8-759-987-82 s IC 74ACOOSJ		
C45	1-162-970-11 s CERAMIC, CHIP 0.010F 10% 25V [for EVW-300(J), EVW-300(UC)] 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V	IC1 IC2	[for EVW-300(J), EVW-300(UC)] 8-759-081-42 s IC TC74VHC00F		
C46 C47	1-126-942-61 s ELECT 1000uF 20% 25V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V	IC3 IC6	8-759-925-90 s IC SN74HC74ANS 8-752-351-03 s IC CXD1256AR 8-759-925-90 s IC SN74HC74ANS		
C48 C50	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-164-227-11 s CERAMIC 0.022uF 10% 25V	IC7 IC10	8-752-351-03 s IC CXD1256AR		
C51 C52	1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V	IC11	8-752-327-46 s IC CXD1250M 8-752-327-46 s IC CXD1250M		
C53	1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V	IC12 IC13	8-752-327-46 s IC CXD1250M 8-759-985-17 s IC 74AC04SJ		
C54 C55	1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V 1-135-177-21 s TANTALUM, CHIP 1uF 10% 25V	IC13	[for EVW-300(J), EVW-300(UC)] 8-759-081-46 s IC TC74VHCU04F		
CN1	1-565-877-11 s PIN, CONNECTOR (PC BOARD) 5P 1-565-884-11 o PIN, CONNECTOR (PC BOARD) 12P	IC14	8-759-906-54 s IC TL064CNS		
CN2 CN3	1-565-884-11 o PIN, CONNECTOR (PC BOARD) 12P 1-565-884-11 o PIN, CONNECTOR (PC BOARD) 12P 1-565-884-11 o PIN, CONNECTOR (PC BOARD) 12P	L1 L3	1-410-389-31 s INDUCTOR CHIP 47uH 1-412-282-41 s INDUCTOR 470uH		
CN4 CN5	1-565-884-11 o PIN, CONNECTOR (PC BOARD) 12P 1-565-877-11 s PIN, CONNECTOR (PC BOARD) 5P	L4 L5	1-412-282-41 s INDUCTOR 470uH 1-410-369-11 s INDUCTOR CHIP 1uH		

## (MB-384/384P BOARD)

Pof No	
Ref. No. or Q'ty	Part No. SP Description
L6	1-410-369-11 s INDUCTOR CHIP luH
L7	1-410-369-11 s INDUCTOR CHIP luH
L10	1-410-369-11 s INDUCTOR CHIP luH
L11	1-410-369-11 s INDUCTOR CHIP luH
L12	1-410-369-11 s INDUCTOR CHIP luH
L13	1-410-369-11 s INDUCTOR CHIP luH
Q1	8-729-142-90 s TRANSISTOR 2SK853-K5
Q4	8-729-905-23 s TRANSISTOR 2SA1576R
Q5	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q6	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q7	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q8	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q9	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q10	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q11	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q12	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q13	8-729-905-23 s TRANSISTOR 2SA1576R
Q14	8-729-142-90 s TRANSISTOR 2SK853-K5
Q15	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q16	8-729-800-37 s TRANSISTOR 2SD1048-X7
Q17	8-729-807-87 s TRANSISTOR 2SB1295-UL6
Q18	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q19	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
RV1	1-237-037-11 s RES, ADJ, METAL 20K
RV2	1-237-037-11 s RES, ADJ, METAL 20K
RV3	1-237-037-11 s RES, ADJ, METAL 20K
RV4	1-237-038-11 s RES, ADJ, METAL 50K
RV5	1-237-038-11 s RES, ADJ, METAL 50K
RV6	1-237-038-11 s RES, ADJ, METAL 50K
W1	1-949-930-12 o HARNESS (MIC-1)
W2	1-949-933-11 o HARNESS (SW-1)
W3	1-949-934-11 o HARNESS (SW-2)

## PA-137/137P BOARD

1 107/1011 DOMND			
Ref. No. or Q'ty	Part No. SP Description		
lpc lpc lpc	1-564-832-11 o CONTACT 1-569-191-11 o CONTACT, AWG22-26 1-569-193-11 o CONTACT, AWG24-30		
C1 C2 C3 C4 C5	1-164-156-11 s CERAMIC 0.1uF 25V 1-162-964-11 s CERAMIC 0.001uF 10% 50V 1-135-154-21 s TANTALUM, CHIP 3.3uF 20% 20V 1-135-164-21 s TANTALUM, CHIP 22uF 20% 10V 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V		
C6 C7 C8 C9 C10	1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V 1-135-180-21 s TANTALUM, CHIP 3.3uF 20% 6.3V 1-135-092-21 s TANTALUM, CHIP 3.3uF 10% 16V 1-164-156-11 s CERAMIC 0.1uF 25V		
C11 C12	1-135-091-91 s CHIP, TANTALUM 1uF 20% 16V 1-126-925-11 s ELECT 470uF 20% 10V		
IC2 IC3 IC4	8-759-271-86 s IC TC7SH04F 8-759-271-86 s IC TC7SH04F 8-759-052-66 s IC AN2011S		
L1	1-410-658-31 s INDUCTOR CHIP 220uH		
Q1 Q2 Q3	8-729-117-72 s TRANSISTOR 2SC4178 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6		
R12 R13	1-218-704-11 s METAL 3.3K 0.50% 1/16W 1-218-710-11 s METAL 5.6K 0.50% 1/16W		

PR-159/1	59P BOARD	(PR-159/159P B	OARD)
Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty Part	No. SP Description
1pc	A-8271-265-A o MOUNTED CIRCUIT BOARD, PR-159	C60 1-135	-211-11 s TANTALUM, CHIP 6.8uF 20% 6.3V
1pc	[for EVW-300(J)] A-8271-262-A o MOUNTED CIRCUIT BOARD, PR-159	C61 1-135 C62 1-135	-211-11 s TANTALUM, CHIP 6.8uF 20% 6.3V -177-21 s TANTALUM, CHIP 1uF 10% 25V
1pc	[for EVW-300(UC)] A-8271-343-A o MOUNTED CIRCUIT BOARD, PR-159P	C63 1-135 C64 1-135	-177-21 s TANTALUM, CHIP 1uF 10% 25V -177-21 s TANTALUM, CHIP 1uF 10% 25V
2pcs	[for EVW-300P(EK)] 7-627-554-27 s SCREW, PRECITION +P 2X6 TYPE1	C65 1-135	-177-21 s TANTALUM, CHIP 1uF 10% 25V
C1 C2 C3 C4 C5	7-627-554-27 s SCREW, PRECITION +P 2X6 TYPE1  1-124-778-00 s ELECT 22uF 20% 6.3V  1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V  1-124-778-00 s ELECT 22uF 20% 6.3V  1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V  1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V	C66 1-135 C67 1-135 C68 1-162 C69 1-162	-177-21 s TANTALUM, CHIP luf 10% 25V -177-21 s TANTALUM, CHIP luf 10% 25V -970-11 s CERAMIC, CHIP 0.01uf 10% 25V -970-11 s CERAMIC, CHIP 0.01uf 10% 25V
	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V	C70 1-135 C71 1-135	-181-21 s TANTALUM, CHIP 4.7uF 10% 6.3V -177-21 s TANTALUM, CHIP 1uF 10% 25V
C6 C7 C8 C9 C10	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-124-779-00 s ELECT 10uF 20% 16V 1-124-779-00 s ELECT 10uF 20% 16V 1-126-205-11 s ELECT 47uF 20% 6.3 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V 1-124-778-00 s ELECT 22uF 20% 6.3V 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-164-156-11 s CERAMIC 0.1uF 25V	C72 1-135 C73 1-164 C74 1-135	-177-21 s TANTALUM, CHIP 10% 25V -361-11 s CERAMIC 0.047uF 16V -177-21 s TANTALUM, CHIP 1uF 10% 25V
C11	1-124-778-00 s ELECT 22uF 20% 6.3V	C76 1-135 C76 1-124 C79 1-135	-211-11 s TANTALUM, CHIP 6.8uF 20% 6.3V -779-00 s ELECT 10uF 20% 16V -177-21 s TANTALUM, CHIP 1uF 10% 25V
C12 C13	1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V	C80 1-135 C81 1-135	-210-11 s TANTALUM 4.7uF 10% 10V -210-11 s TANTALUM 4.7uF 10% 10V
C15 C16	1-164-156-11 s CERAMIC 0.1uF 25V 1-124-779-00 s ELECT 10uF 20% 16V	C82 1-124	-779-00 s ELECT 10uF 20% 16V -210-11 s TANTALUM 4.7uF 10% 10V
C17 C18 C19 C22	1-124-779-00 s ELECT 10uF 20% 16V 1-124-779-00 s ELECT 10uF 20% 16V 1-124-778-00 s ELECT 22uF 20% 6.3V 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V 1-124-779-00 s ELECT 10uF 20% 16V	C86 1-135 C87 1-124 C90 1-135	-210-11 S TANTALUM 4.7uF 10% 10V -210-11 S TANTALUM 4.7uF 10% 10V -779-00 S ELECT 10uF 20% 16V -210-11 S TANTALUM 4.7uF 10% 10V
C22 C23	1-124-779-00 s ELECT 10uF 20% 16V	C91 1-135 C103 1-135	-210-11 s TANTALUM 4.7uF 10% 10V -177-21 s TANTALUM, CHIP 1uF 10% 25V
C24 C25 C26 C27	1-124-779-00 s ELECT 10uF 20% 16V 1-124-779-00 s ELECT 10uF 20% 16V 1-126-601-11 s ELECT 2.2uF 20% 50V 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V 1-135-179-21 s TANTAL 2.2uF 10% 16V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V	C104 1-164 C105 1-126 C106 1-135	-156-11 s CERAMIC 0.1uF 25V -204-11 s ELECT 47uF 20% 16V -217-21 s TANTAL 15uF 20% 6.3
C28	1-164-156-11 S CERAMIC U.IUF 25V	<u> </u>	-970-11 s CERAMIC, CHIP 0.01uF 10% 25V -204-11 s ELECT 47uF 20% 16V
C29 C30 C31 C32	1-124-778-00 s ELECT 22uF 20% 6.3V 1-124-779-00 s ELECT 10uF 20% 16V 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V 1-135-179-21 s TANTAL 2.2uF 10% 16V	C109 1-162 C110 1-162 C111 1-162	-970-11 s CERAMIC, CHIP 0.01uF 10% 25V -970-11 s CERAMIC, CHIP 0.01uF 10% 25V -970-11 s CERAMIC, CHIP 0.01uF 10% 25V
C33	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V		-970-11 s CERAMIC, CHIP 0.01uF 10% 25V -970-11 s CERAMIC, CHIP 0.01uF 10% 25V
C34 C35 C36 C37	1-164-156-11 s CERAMIC 0.1uF 25V 1-124-778-00 s ELECT 22uF 20% 6.3V 1-128-394-11 s ELECT 220uF 20% 10V 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V 1-135-179-21 s TANTAL 2.2uF 10% 16V	C114 1-162 C115 1-124 C116 1-124	-970-11 s CERAMIC, CHIP 0.01uF 10% 25V -778-00 s ELECT 22uF 20% 6.3V -778-00 s ELECT 22uF 20% 6.3V
C38	1-135-179-21 s TANTAL 2.2uF 10% 16V	C117 1-124	-778-00 s ELECT 22uF 20% 6.3V -394-11 s ELECT 220uF 20% 10V
C39 C40 C41	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-164-156-11 s CERAMIC 0.1uF 25V 1-124-778-00 s ELECT 22uF 20% 6.3V 1-124-779-00 s ELECT 10uF 20% 16V	C120 1-124	-779-00 s ELECT 10uF 20% 16V -779-00 s ELECT 10uF 20% 16V -779-00 s ELECT 10uF 20% 16V
C42 C47	1-124-773-00 S ELECT TOUR 20% 16V 1-135-211-11 S TANTALUM, CHIP 6.8uF 20% 6.3V	C122 1-128	-394-11 s ELECT 220uF 20% 10V
C48 C49	1-135-211-11 s TANTALUM, CHIP 6.8uF 20% 6.3V 1-135-070-00 s TANTALUM, CHIP 0.1uF 10% 35V	CN1 1-691	-856-11 s CONNECTOR, BOARD TO BOARD 60P
C50 C51 C52	1-135-211-11 s TANTALUM, CHIP 6.8uF 20% 6.3V 1-135-177-21 s TANTALUM, CHIP 1uF 10% 25V 1-135-070-00 s TANTALUM, CHIP 0.1uF 10% 35V	D2 8-719 D3 8-719	-820-05 s DIODE 1SS181 -820-05 s DIODE 1SS181 -820-05 s DIODE 1SS181 -404-35 s DIODE MA141WK
C53 C54	1-135-177-21 s TANTALUM, CHIP 1uF 10% 25V 1-135-177-21 s TANTALUM, CHIP 1uF 10% 25V	D5 8-719	-404-35 s DIODE MA141WK
C55 C56 C57	1-135-070-00 s TANTALUM, CHIP 0.1uF 10% 35V 1-135-177-21 s TANTALUM, CHIP 1uF 10% 25V 1-135-177-21 s TANTALUM, CHIP 1uF 10% 25V	D8 8-719	-800-76 s DIODE 1SS226 -800-76 s DIODE 1SS226 -800-76 s DIODE 1SS226
C58 C59	1-135-177-21 s TANTALUM, CHIP 1uF 10% 25V 1-135-211-11 s TANTALUM, CHIP 6.8uF 20% 6.3V	IC1 8-759 IC2 8-759	-906-53 s IC TL062CPS -906-53 s IC TL062CPS

(PR-159/	159P BOARD)	(PR-159/	159P BOARD)
Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
IC3 IC4 IC5 IC6 IC7	8-759-906-53 s IC TL062CPS 8-759-906-53 s IC TL062CPS 8-759-700-95 s IC NJM1496M 8-759-700-95 s IC NJM1496M 8-759-700-95 s IC NJM1496M	Q48 Q49 Q50 Q51 Q52	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6
IC9 IC10 IC12 IC13 IC14	8-759-052-67 s IC UPC2372GF-3B9 8-759-906-54 s IC TL064CNS 8-759-209-69 s IC TC4S11F 8-759-635-27 s IC M62352GP 8-759-906-54 s IC TL064CNS	R18 R19 R33 R34 R36	1-218-868-11 s METAL CHIP 7.5K 0.50% 1/16W 1-218-846-11 s METAL CHIP 910 0.50% 1/16W 1-218-714-11 s METAL 8.2K 0.50% 1/16W 1-218-732-11 s METAL 47K 0.50% 1/16W 1-218-684-11 s METAL 470 0.50% 1/16W
L1 L2 L3	1-410-385-11 s INDUCTOR, CHIP 22uH 1-410-385-11 s INDUCTOR, CHIP 22uH 1-410-385-11 s INDUCTOR, CHIP 22uH 8-729-905-23 s TRANSISTOR 2SA1576R	R39 R40 R42 R43	1-218-864-11 s METAL CHIP 5.1K 0.50% 1/16W 1-218-684-11 s METAL 470 0.50% 1/16W 1-218-724-11 s METAL 22K 0.50% 1/16W 1-218-722-11 s METAL, CHIP 18K 0.50% 1/16W
Q1 Q2 Q3 Q4 Q5	8-729-905-23 s TRANSISTOR 2SA1576R 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-905-23 s TRANSISTOR 2SA1576R 8-729-142-90 s TRANSISTOR 2SK853-K5	R44 R46 R50	1-218-848-11 s METAL CHIP 1.1K 0.50% 1/16W 1-218-698-11 s METAL 1.8K 0.50% 1/16W 1-218-722-11 s METAL, CHIP 18K 0.50% 1/16W 1-218-724-11 s METAL 22K 0.50% 1/16W
	8-729-120-28 s TRANSISTOR 2SC1623-L51.6	R51 R54 R57	1-218-724-11 S METAL 22K 0.50% 1/16W 1-218-684-11 S METAL 470 0.50% 1/16W 1-218-684-11 S METAL 470 0.50% 1/16W
Q6 Q7 Q8 Q9 Q10	8-729-905-23 s TRANSISTOR 2SA1576R 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-905-23 s TRANSISTOR 2SA1576R	R59 R60 R61 R63	1-218-724-11 s METAL 22K 0.50% 1/16W 1-218-722-11 s METAL, CHIP 18K 0.50% 1/16W 1-218-848-11 s METAL CHIP 1.1K 0.50% 1/16W 1-218-698-11 s METAL 1.8K 0.50% 1/16W 1-218-722-11 s METAL, CHIP 18K 0.50% 1/16W
Q11 Q12 Q13	8-729-142-90 s TRANSISTOR 2SK853-K5 8-729-905-23 s TRANSISTOR 2SA1576R 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	R67 R68	
Q14 Q15	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-905-23 s TRANSISTOR 2SA1576R	R71 R74 R75	1-218-724-11 s METAL 22K 0.50% 1/16W 1-218-684-11 s METAL 470 0.50% 1/16W 1-218-864-11 s METAL CHIP 5.1K 0.50% 1/16W 1-218-684-11 s METAL 470 0.50% 1/16W 1-218-724-11 s METAL 22K 0.50% 1/16W
Q16 Q17 Q18 Q19 Q20	8-729-142-90 s TRANSISTOR 2SK853-K5 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	R77 R78 R79 R81	1-218-724-11 s METAL 22K 0.50% 1/16W 1-218-722-11 s METAL, CHIP 18K 0.50% 1/16W 1-218-848-11 s METAL CHIP 1.1K 0.50% 1/16W 1-218-698-11 s METAL 1.8K 0.50% 1/16W 1-218-722-11 s METAL, CHIP 18K 0.50% 1/16W 1-218-724-11 s METAL 22K 0.50% 1/16W
Q21 Q22 Q23 Q24	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	R85 R86 R97 R98	1-218-257-11 s METAL, CHIP 4.99K 0.50% 1/10W 1-218-254-11 s METAL, CHIP 2.55K 0.50% 1/10W
Q25 Q26	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	R99 R101	1-218-259-11 s METAL, CHIP 13.7K 0.50% 1/10W 1-218-252-11 s METAL, CHIP 2.26K 0.50% 1/10W [for EVW-300(J), EVW-300(UC)]
Q27 Q28 Q29	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	R102	1-218-256-11 s METAL, CHIP 3.32K 0.50% 1/10W [for EVW-300(J), EVW-300(UC)]
Q30 Q31	8-729-905-23 s TRANSISTOR 2SA1576R 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	R103 R103	1-218-255-11 s METAL, CHIP 2.67K 0.50% 1/10W [for EVW-300(J), EVW-300(UC)] 1-218-254-11 s METAL, CHIP 2.55K 0.50% 1/10W
Q32 Q33 Q34	8-729-142-90 s TRANSISTOR 2SK853-K5 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	R104	[for EVW-300P(EK)] 1-218-253-11 s METAL, CHIP 2.32K 0.50% 1/10W
Q35	8-729-120-28 s TRANSISTOR 2SC1623-L5L6	R104	[for EVW-300(J), EVW-300(UC)] 1-218-259-11 s METAL, CHIP 13.7K 0.50% 1/10W [for EVW-300P(EK)]
Q38 Q39 Q40	8-729-142-90 s TRANSISTOR 2SK853-K5 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	R105	1-218-706-11 s METAL 3.9K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
Q41 Q42	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-905-23 s TRANSISTOR 2SA1576R	R105	1-218-714-11 s METAL 8.2K 0.50% 1/16W [for EVW-300P(EK)]
Q43 Q44 Q45	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-142-90 s TRANSISTOR 2SK853-K5	R106 R106	1-218-851-11 s METAL CHIP 1.5K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)] 1-218-858-11 s METAL CHIP 3K 0.50% 1/16W
Q46	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	R107	[for EVW-300P(EK)] 1-218-706-11 s METAL 3.9K 0.50% 1/16W
Q47	8-729-120-28 s TRANSISTOR 2SC1623-L5L6	R107	[for EVW-300(J), EVW-300(UC)] 1-218-714-11 s METAL 8.2K 0.50% 1/16W [for EVW-300P(EK)]

Please see page D-29 for the part numbers of resistors that are not the parts list.

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(PR-159/159P BOARD)
                                                                                                                                                                                                                 SS-50/50P BOARD
                                                                                                                                                                                                                 Ref. No. or Q'ty
Ref. No. or Q'ty Part No.
                                                                  SP Description
                                                                                                                                                                                                                                             Part No.
                                                                                                                                                                                                                                                                                    SP Description
                           1-218-851-11 s METAL CHIP 1.5K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
1-218-858-11 s METAL CHIP 3K 0.50% 1/16W [for EVW-300P(EK)]
1-218-724-11 s METAL 22K 0.50% 1/16W
1-218-714-11 s METAL 8.2K 0.50% 1/16W
1-218-699-11 s METAL, CHIP 2K 0.50% 1/16W
                                                                                                                                                                                                                                             A-8271-251-A o MOUNTED CIRCUIT BOARD, SS-50

[for EVW-300(J), EVW-300(UC)]

A-8271-337-A o MOUNTED CIRCUIT BOARD, SS-50P

[for EVW-300P(EK)]

1-637-680-11 o WIRE, FLEXIBLE CARD FP-375

[for EVW-300(J), EVW-300(UC)]
R108
                                                                                                                                                                                                                 1pc
 R108
                                                                                                                                                                                                                  1pc
                                                                                                                                                                                                                  1pc
 R114
 R117
                                                                                                                                                                                                                                              1-528-229-11 o BATTERY, LITHIUM CR-2450
                                                                                                                                                                                                                  BT1
                            1-218-700-11 s METAL 2.2K 0.50% 1/16W
1-218-700-11 s METAL 2.2K 0.50% 1/16W
1-218-699-11 s METAL, CHIP 2K 0.50% 1/16W
1-218-699-11 s METAL, CHIP 2K 0.50% 1/16W
1-218-700-11 s METAL 2.2K 0.50% 1/16W
                                                                                                                                                                                                                                              1-164-360-11 s CERAMIC 0.1uF 16V
1-124-778-00 s ELECT 22uF 20% 6.3V
1-164-360-11 s CERAMIC 0.1uF 16V
1-162-917-11 s CERAMIC, CHIP 15PF 5% 50V
1-164-357-11 s CERAMIC 1000PF 5% 50V
                                                                                                                                                                                                                  C1
C2
C3
C4
C5
 R132
R134
 R143
 R146
                             1-218-732-11 s METAL 47K 0.50% 1/16W
 R185
                                                                                                                                                                                                                                              1-164-315-11 s CERAMIC 470PF 5% 50V
1-162-917-11 s CERAMIC, CHIP 15PF 5% 50V
1-164-360-11 s CERAMIC 0.1uF 16V
1-126-400-11 s ELECT, CHIP 22uF 20% 35V
1-126-205-11 s ELECT 47uF 20% 6.3
                                                                                                                                                                                                                  C6
C7
C104
C110
R186
 R188
 R190
 R191
                                                                                                                                                                                                                   C111
                             1-218-724-11 s METAL 22K 0.50% 1/16W 1-218-724-11 s METAL 22K 0.50% 1/16W 1-218-732-11 s METAL 47K 0.50% 1/16W 1-218-837-11 s METAL CHIP 390 0.50% 1/16W 1-218-837-11 s METAL CHIP 390 0.50% 1/16W
 R199
                                                                                                                                                                                                                                              1-126-205-11 s ELECT 47uF 20% 6.3
1-164-227-11 s CERAMIC 0.022uF 10% 25V
1-126-397-11 s ELECT, CHIP 33uF 20% 25V
1-124-584-00 s ELECT 100uF 20% 10V
1-164-360-11 s CERAMIC 0.1uF 16V
  R200
                                                                                                                                                                                                                  C132
C135
 R201
  R203
                              1-218-688-11 s METAL 680 0.50% 1/16W
                                                                                                                                                                                                                   C150
  R204
                                                                                                                                                                                                                    C151
                             1-218-257-11 s METAL, CHIP 4.99K 0.50% 1/10W [for EVW-300P(EK)]
1-218-254-11 s METAL, CHIP 2.55K 0.50% 1/10W [for EVW-300P(EK)]
1-218-899-11 s CHIP, METAL 150K 0.50% 1/16W
  R208
                                                                                                                                                                                                                                              1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V

1-126-601-11 s ELECT 2.2uF 20% 50V

1-164-360-11 s CERAMIC 0.1uF 16V

1-126-601-11 s ELECT 2.2uF 20% 50V

1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V

[for EVW-300(J), EVW-300(UC)]
                                                                                                                                                                                                                   C152
C153
C154
  R209
                                                                                                                                                                                                                   C155
  R224
                                                                                                                                                                                                                    C156
                             1-238-089-11 s RES, ADJ, 4.7K

[for EVW-300(J), EVW-300(UC)]

1-238-089-11 s RES, ADJ, 4.7K

1-241-266-11 s RES, ADJ, METAL 50K

1-241-266-11 s RES, ADJ, METAL 50K

1-241-266-11 s RES, ADJ, METAL 50K
  RV1
                                                                                                                                                                                                                                               1-164-227-11 s CERAMIC 0.022uF 10% 25V [for EVW-300P(EK)]
1-164-360-11 s CERAMIC 0.1uF 16V
1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V
1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V
1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V
                                                                                                                                                                                                                    C156
  RV2
  RV4
  RV5
                                                                                                                                                                                                                   C158
C159
  RV6
                              1-241-263-11 s RES, ADJ, METALT 5K
1-241-266-11 s RES, ADJ, METAL 50K
1-241-263-11 s RES, ADJ, METALT 5K
1-241-263-11 s RES, ADJ, METALT 5K
1-241-263-11 s RES, ADJ, METALT 5K
  RV7
                                                                                                                                                                                                                     C200
  RV8
                                                                                                                                                                                                                                               1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V
1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V
1-164-361-11 s CERAMIC 0.047uF 16V
1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
1-164-360-11 s CERAMIC 0.1uF 16V
   RV9
                                                                                                                                                                                                                   C202
C203
C204
   RV10
  RV11
                              1-241-264-11 s RES, ADJ, METALT 10K
1-241-264-11 s RES, ADJ, METALT 10K
1-241-264-11 s RES, ADJ, METALT 10K
1-238-092-11 s RES, ADJ METAL 47K
1-238-092-11 s RES, ADJ METAL 47K
                                                                                                                                                                                                                     C205
   RV12
   RV13
                                                                                                                                                                                                                                                1-164-360-11 s CERAMIC 0.1uF 16V
1-164-360-11 s CERAMIC 0.1uF 16V
1-164-357-11 s CERAMIC 1000PF 5% 50V
1-162-916-11 s CERAMIC, CHIP 12PF 5% 50V
1-162-916-11 s CERAMIC, CHIP 12PF 5% 50V
                                                                                                                                                                                                                     C206
C207
   RV14
   RV15
   RV16
                                                                                                                                                                                                                     C208
                                                                                                                                                                                                                      C209
                               1-238-092-11 s RES, ADJ METAL 47K
1-238-089-11 s RES, ADJ, 4.7K
                                                                                                                                                                                                                     C210
   RV17
   RV18
                                                                                                                                                                                                                                                 1-125-388-11 s CAP 0.1F
1-126-603-11 s ELECT 4.7uF 20% 35V
1-126-397-11 s ELECT, CHIP 33uF 20% 25V
1-126-603-11 s ELECT 4.7uF 20% 35V
1-162-969-11 s CERAMIC 0.0068uF 10% 25V
                                                                                                                                                                                                                     C221
C230
C231
                                                                                                                                                                                                                                                 1-164-357-11 s CERAMIC 1000PF 5% 50V
1-164-360-11 s CERAMIC 0.1uF 16V
1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V
1-162-969-11 s CERAMIC 0.0068uF 10% 25V
[for EVW-300P(EK)]
                                                                                                                                                                                                                     C233
C234
C235
C236
                                                                                                                                                                                                                                                  1-126-603-11 s ELECT 4.7uF 20% 35V
                                                                                                                                                                                                                      C251
                                                                                                                                                                                                                                                 1-164-222-11 s CERAMIC 0.22uF 25V
1-164-346-11 s CERAMIC 1uF 16V
1-124-779-00 s ELECT 10uF 20% 16V
                                                                                                                                                                                                                      C300
                                                                                                                                                                                                                      C301
                                                                                                                                                                                                                                                  1-164-361-11 s CERAMIC 0.047uF 16V
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100 - :				
(SS-50/50P BOARD)		(SS-50/50P BOARD)		
	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description	
C303 C304 C305 C306 C310	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-164-361-11 s CERAMIC 0.047uF 16V 1-164-360-11 s CERAMIC 0.1uF 16V	C402 C404 C405 C410 C411	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-164-361-11 s CERAMIC 0.047uF 16V 1-124-779-00 s ELECT 10uF 20% 16V 1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-164-227-11 s CERAMIC 0.022uF 10% 25V	
C311 C312 C313 C314 C315	1-127-558-11 s ELECT (SOLID) 10uF 20% 10V 1-164-361-11 s CERAMIC 0.047uF 16V 1-162-966-11 s CERAMIC, CHIP 0.0022uF 10% 50V 1-164-360-11 s CERAMIC 0.1uF 16V 1-162-928-11 s CERAMIC 120PF 5% 50V	C412 C413 C414 C415 C416	1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-124-779-00 s ELECT 10uF 20% 16V 1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-126-205-11 s ELECT 47uF 20% 6.3	
C316 C317 C318 C319 C320	1-164-361-11 s CERAMIC 0.047uF 16V 1-162-966-11 s CERAMIC, CHIP 0.0022uF 10% 50V 1-164-361-11 s CERAMIC 0.047uF 16V 1-127-558-11 s ELECT (SOLID) 10uF 20% 10V 1-164-360-11 s CERAMIC 0.1uF 16V	C420 C421 C422 C423 C424	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V	
C322 C323 C340	1-128-078-11 s ELECT 33uF 20% 10V 1-124-584-00 s ELECT 100uF 20% 10V 1-124-577-11 s ELECT 82uF 20% 10V 1-124-779-00 s ELECT 10uF 20% 16V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	C425 C428 C429 C430	1-164-361-11 s CERAMIC 0.047uF 16V 1-162-924-11 s CERAMIC 56PF 5% 50V 1-124-779-00 s ELECT 10uF 20% 16V 1-164-227-11 s CERAMIC 0.022uF 10% 25V	
C343 C344	1-164-222-11 s CERAMIC 0.22uF 25V	CN001	1-566-529-11 s CONNECTOR, FPC (ZIF) 13P [for EVW-300(J), EVW-300(UC)]	
C345 C346	1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V	CN1 CN002	1-566-529-11 s CONNECTOR, FPC (ZIF) 13P [for EVW-300P(EK)]	
C347	1-162-967-11 s CERAMIC 0.0033uF 10% 50V	CNOUZ CN2	1-566-527-11 s CONNECTOR, FPC (ŽIF) 11P [for EVW-300(J), EVW-300(UC)] 1-566-527-11 s CONNECTOR, FPC (ŽIF) 11P	
C348 C349 C350 C360	1-164-004-11 s CERAMIC 0.22uF 25V 1-164-779-00 s ELECT 10uF 20% 16V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-162-967-11 s CERAMIC 0.0033uF 10% 50V 1-162-967-11 s CERAMIC 0.0033uF 10% 50V 1-162-967-11 s CERAMIC 0.0033uF 10% 50V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-162-970-11 s CERAMIC, CHIP 0.1uF 10% 25V	CN003	1-565-211-11 o CONNECTOR, FPC (ZIF) 11F [for EVW-300P(EK)] 1-565-211-11 o CONNECTOR, FPC (ZIF) 22P [for EVW-300(J), EVW-300(UC)]	
C361	1-164-360-11 s CERAMIC 0.1uF 16V	CN3	1-565-211-11 o CONNECTOR, FPC (ZIF) 22P [for EVW-300P(EK)]	
C363 C370 C371	1-126-193-11 s ELECT luf 20% 50V 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V	CN101 CN101 CN104 CN106	1-566-530-11 s CONNECTOR, FPC (ZIF) 14P 1-569-346-11 s CONNECTOR, FPC(TRANSLATION)10P 1-566-521-11 s CONNECTOR, 5P 1-565-212-11 s CONNECTOR, FPC (ZIF) 26P	
C373	1-164-357-11 s CERAMIC 1000PF 5% 50V	CN107	1-565-212-11 s CONNECTOR, FPC (ZIF) 26P	
C374 C375 C376 C377	1-164-315-11 s CERAMIC 470PF 5% 50V 1-164-361-11 s CERAMIC 0.047uF 16V 1-164-357-11 s CERAMIC 1000PF 5% 50V 1-162-967-11 s CERAMIC 0.0033uF 10% 50V	D1 D2 D100 D101 D110	8-719-421-30 s DIODE MA141A 8-719-421-30 s DIODE MA141A 8-719-105-90 s DIODE RD5.6M-B1 8-719-106-22 s DIODE RD7.5M-B1 8-719-938-72 s DIODE SB01-05CP	
 C379 C380 C381 C382	1-164-360-11 s CERAMIC 0.1uF 16V 1-164-357-11 s CERAMIC 1000PF 5% 50V	D111 D200 D210 D211 D212	8-719-421-30 s DIODE MA141A 8-719-404-35 s DIODE MA141WK 8-719-404-35 s DIODE MA141WK 8-719-980-78 s DIODE ERA83-006 8-719-980-78 s DIODE ERA83-006	
C384 C385 C386	1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-164-361-11 s CERAMIC 0.047uF 16V	D300 D310	8-719-981-59 s DIODE FC805 8-719-404-46 s DIODE MA110	
C387 C388 C389 C390 C391	1-164-360-11 s CERAMIC 0.1uF 16V 1-164-346-11 s CERAMIC 1uF 16V 1-164-346-11 s CERAMIC 1uF 16V	1C105 1C106	8-759-290-56 s IC UPD75516GF-563-3B9 8-759-937-54 s IC S-81250HG-RD-S 8-759-946-03 s IC S-8054ALR-LN-S 8-759-089-05 s IC BR93LC46F 8-752-841-85 s IC CXP80116-873Q [for EVW-300(J), EVW-300(UC)]	
C393	1-164-360-11 s CERAMIC 0.1uF 16V		8-752-841-84 s IC CXP80116-874Q [for EVW-300P(EK)]	
C394 C400	1-124-779-00 s ELECT 10uF 20% 16V 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V	IC202	8-759-035-98 s IC MC141600FU 8-759-805-06 s IC CXA1127M 8-759-983-69 s IC LM358PS	

# (SS-50/50P BOARD)

(00 00)	· · · · · · · · · · · · · · · · · · ·
Ref. No. or Q'ty	Part No. SP Description
IC204	8-759-166-78 s IC CXA8006BM-ELL1000
IC205	8-759-148-05 s IC CXA8010M
IC206	8-752-035-48 s IC CXA1204Q
IC400	8-759-998-32 s IC CXD2107M
IC401	8-759-988-13 s IC LM393PS
L1	1-410-369-11 s INDUCTOR CHIP 1uH
L10	1-410-393-11 s INDUCTOR CHIP 100uH
L11	1-410-381-11 s INDUCTOR CHIP 10uH
L200	1-410-381-11 s INDUCTOR CHIP 10uH
L201	1-410-369-11 s INDUCTOR CHIP 1uH
L300	1-424-104-11 s COIL, CHOKE 10uH
L301	1-424-106-11 s COIL, CHOKE 47uH
L302	1-424-106-11 s COIL, CHOKE 47uH
L303	1-410-369-11 s INDUCTOR CHIP 1uH
L304	1-410-369-11 s INDUCTOR CHIP 1uH
L305	1-410-381-11 s INDUCTOR CHIP 10uH
L310	1-410-381-11 s INDUCTOR CHIP 10uH
L311	1-410-381-11 s INDUCTOR CHIP 10uH
L320	1-410-381-11 s INDUCTOR CHIP 10uH
L321	1-412-280-31 s INDUCTOR 330uH
L322	1-410-381-11 s INDUCTOR CHIP 10uH
L400	1-412-062-11 s INDUCTOR CHIP 47uH
L410	1-410-381-11 s INDUCTOR CHIP 10uH
L411	1-412-062-11 s INDUCTOR CHIP 47uH
L420	1-410-381-11 s INDUCTOR CHIP 10uH
L421	1-410-382-31 s INDUCTOR CHIP 12uH
PS1	1-532-679-00 s LINK, IC
Q1	8-729-905-18 s TRANSISTOR DTC144EU
Q100	8-729-905-12 s TRANSISTOR DTA144EU
Q101	8-729-905-18 s TRANSISTOR DTC144EU
Q102	8-729-905-12 s TRANSISTOR DTA144EU
Q103	8-729-905-18 s TRANSISTOR DTC144EU
Q110	8-729-905-23 s TRANSISTOR 2SA1576R
Q111	8-729-142-90 s TRANSISTOR 2SK853-K5
Q112	8-729-905-18 s TRANSISTOR DTC144EU
Q113	8-729-920-39 s TRANSISTOR IMT1US
Q114	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q115	8-729-907-26 s TRANSISTOR IMX1
Q116	8-729-920-39 s TRANSISTOR IMT1US
Q200	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q201	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q202	8-729-907-00 s TRANSISTOR DTC114EU
Q210	8-729-907-03 s TRANSISTOR FMG5
Q220	8-729-820-46 s TRANSISTOR 2SB1202FAS
Q221	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q300	8-729-805-25 s TRANSISTOR 2SB1121
Q301	8-729-805-25 s TRANSISTOR 2SB1121
Q310	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q311	8-729-920-39 s TRANSISTOR IMT1US
Q320	8-729-905-23 s TRANSISTOR 2SA1576R
Q321	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q322	8-729-905-23 s TRANSISTOR 2SA1576R
Q400	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q401	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q410	8-729-120-28 s TRANSISTOR 2SC1623-L5L6
Q420	8-729-907-26 s TRANSISTOR IMX1
Q421	8-729-907-26 s TRANSISTOR IMX1

# (SS-50/50P BOARD)

Ref. No. or Q'ty	Part No. S	SP	Description
Q422	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
R336 R337	1-217-671-11	S	CHIP, METAL 43K 0.50% 1/16W METAL 1 5% 1/10W METAL 1 5% 1/10W METAL 1 5% 1/10W METAL 1 5% 1/10W
RV300	1-230-873-11	S	RES, ADJ, METAL 47K
TH200	1-800-200-00	S	THERMISTOR S-3K
X2 X4 X5	1-577-291-11 1-577-116-21 1-567-735-11	\$ \$ \$	VIBRATOR, CRYSTAL 32.768kHz VIBRATOR, CERAMIC (WITH (C)) 4.19MH VIBRATOR, CRYSTAL 16.0MHz VIBRATOR, CRYSTAL 5.94755MHz [for EVW-300(J), EVW-300(UC)] VIBRATOR, CRYSTAL 5.85938MHz [for EVW-300P(EK)]

# SW-484 BOARD

D 0 1/	
Ref. No. or Q'ty	Part No. SP Description
1pc	1-643-114-11 o PRINTED CIRCUIT BOARD, SW-484
CN1	1-564-013-31 s PIN, CONNECTOR 3P
CN2	1-565-876-11 o PIN, CONNECTOR (PC BOARD) 4P
D1	8-719-970-91 s DIODE GL1HS112
D2	8-719-970-91 s DIODE GL1HS112
R1	1-247-823-31 s CARBON 470 5% 1/4W
R2	1-247-823-31 s CARBON 470 5% 1/4W
R3	1-249-434-11 s CARBON 27K 5% 1/4W
R4	1-249-437-11 s CARBON 47K 5% 1/4W
RV1	1-230-337-11 s RES, VAR, CARBON 10K
\$1	1-554-174-00 s SWITCH, TACTILE
\$2	1-554-174-00 s SWITCH, TACTILE

# SW-485 BOARD Ref. No. or Q'ty Part No. SP Description 1pc 1-643-115-11 o PRINTED CIRCUIT BOARD, SW-485 CN1 1-565-876-11 o PIN, CONNECTOR (PC BOARD) 4P R1 1-249-437-11 s CARBON 47K 5% 1/4W R2 1-247-855-31 s CARBON 10K 5% 1/4W R3 1-249-434-11 s CARBON 27K 5% 1/4W R4 1-249-437-11 s CARBON 47K 5% 1/4W R5 1-247-855-31 s CARBON 10K 5% 1/4W R6 1-249-434-11 s CARBON 27K 5% 1/4W R7 1-249-434-11 s CARBON 27K 5% 1/4W S1 1-570-985-11 s SWITCH, TOGGLE S2 1-570-984-11 s SWITCH, TOGGLE S3 1-570-985-11 s SWITCH, TOGGLE S4 1-571-396-11 s SWITCH, TOGGLE

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SW-507 BC	OARD
Ref. No. or Q'ty	Part No. SP Description
1pc	A-8271-260-A o MOUNTED CIRCUIT BOARD, SW-507 $$
C1 C4 C6 C7 C8	1-163-275-11 s CERAMIC 0.001uF 5% 50V 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V 1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 50V 1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 50V 1-124-584-00 s ELECT 100uF 20% 10V
C11	1-124-584-00 s ELECT 100uF 20% 10V 1-124-584-00 s ELECT 100uF 20% 10V 1-163-038-91 s CERAMIC 0.1uF 25V 1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 50V
CN1 CN2	1-564-013-11 o CONNECTOR 3P, MALE 1-506-485-11 s CONNECTOR, 6P, MALE
D1	8-719-800-76 s DIODE 1SS226
IC1	8-759-745-64 s IC NJM4560M
JR1 JR2 JR3	1-216-295-91 s METAL, CHIP 0 5% 1/10W 1-216-295-91 s METAL, CHIP 0 5% 1/10W 1-216-295-91 s METAL, CHIP 0 5% 1/10W
L1	1-408-408-00 s INDUCTOR 8.2uH
R2 R3 R4	1-216-089-91 s METAL 47K 5% 1/10W 1-216-083-00 s METAL, CHIP 27K 5% 1/10W 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W 1-216-083-00 s METAL, CHIP 27K 5% 1/10W 1-216-049-91 s METAL 1K 5% 1/10W
R8	1-216-033-00 s METAL, CHIP 220 5% 1/10W 1-216-089-91 s METAL 47K 5% 1/10W 1-216-017-91 s METAL 47 5% 1/10W 1-216-017-91 s METAL 47 5% 1/10W
\$1 \$2	1-554-174-00 s SWITCH, TACTILE 1-571-404-11 s SWITCH, KEY BOARD

V0-43/43		(V0-43/4	3P BOARD)
Ref. No.	Part No. SP Description		Part No. SP Description
1pc	A-8271-252-A o MOUNTED CIRCUIT BOARD, VO-43 [for EVW-300(J), EVW-300(UC)]	C121	1-162-912-11 s CERAMIC 7PF 0.5PF 50V
1pc	A-8271-338-A o MOUNTED CIRCUIT BOARD, VO-43P [for EVW-300P(EK)]	C122 C123 C124	1-162-915-11 s CERAMIC, CHIP 10PF 0.5PF 50V 1-164-361-11 s CERAMIC 0.047uF 16V 1-164-361-11 s CERAMIC 0.047uF 16V
1pc 1pc 1pc	3-175-619-01 o SUPPORT (UPPER), PC BOARD 3-175-620-01 o SUPPORT (LOWER), PC BOARD 3-175-650-01 o SUPPORT (RIGHT), PC BOARD	C125	[for EVW-300(J), EVW-300(UC)] 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V
6pcs	7-621-770-87 s SCREW +B 2.6X5	C127 C128	1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-164-227-11 s CERAMIC 0.022uF 10% 25V
C3 C4 C5 C6 C7	1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V 1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V 1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V	C129 C130 C131	1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-164-227-11 s CERAMIC 0.022uF 10% 25V
C6 C7	1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V 1-164-227-11 s CERAMIC 0.022uF 10% 25V	C132 C133	1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V 1-164-227-11 s CERAMIC 0.022uF 10% 25V
C8 C10 C12	1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V 1-135-202-21 s TANTALUM, CHIP 22uF 20% 4V 1-135-202-21 s TANTALUM, CHIP 22uF 20% 4V	C134 C136 C137	1-162-915-11 s CERAMIC, CHIP 10PF 0.5PF 50V 1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-164-227-11 s CERAMIC 0.022uF 10% 25V
C13	1-162-920-11 s CFRAMIC CHIP 27PF 5% 50V	C138	1-162-912-11 s CERAMIC 7PF 0.5PF 50V [for EVW-300(J), EVW-300(UC)]
C14	[for EVW-300(J), EVW-300(UC)] 1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V	C138	1-162-908-11 s CERAMIC 3PF 0.25PF 50V [for EVW-300P(EK)]
C15 C16 C17 C18	1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-135-202-21 s TANTALUM, CHIP 22uF 20% 4V 1-162-916-11 s CERAMIC, CHIP 12PF 5% 50V 1-162-924-11 s CERAMIC 56PF 5% 50V	C139 C140 C141	1-162-918-11 s CERAMIC, CHIP 18PF 5% 50V 1-164-361-11 s CERAMIC 0.047uF 16V 1-164-227-11 s CERAMIC 0.022uF 10% 25V
C23	1-135-202-21 c TANTALIM CHIP 22nF 20% 4V	C142 C143	1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-164-360-11 s CERAMIC 0.1uF 16V
C24 C25 C101 C102	1-164-261-11 c CEDAMIC O 0470F 16V	C143 C144 C145 C146	1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V 1-162-911-11 s CERAMIC, CHIP 6PF 50V
C102	1-162-928-11 s CERAMIC 120PF 5% 50V	C147 C148	1-162-924-11 s CERAMIC 56PF 5% 50V 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V
C104 C105		C148	[for EVW-300(J), EVW-300(UC)] 1-162-917-11 s CERAMIC, CHIP 15PF 5% 50V [for EVW-300P(EK)]
C105	[for EVW-300(J), EVW-300(UC)] 1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V	C149 C150	1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V 1-164-227-11 s CERAMIC 0.022uF 10% 25V
C106 C107	[for EVW-300P(EK)] 1-162-965-11 s CERAMIC 0.0015uF 10% 50V 1-164-227-11 s CERAMIC 0.022uF 10% 25V	C164 C201 C203	1-162-915-11 s CERAMIC, CHIP 10PF 0.5PF 50V 1-162-920-11 s CERAMIC, CHIP 27PF 5% 50V 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V
C108 C109	1-162-958-11 s CERAMIC 270PF 5% 50V 1-164-227-11 s CERAMIC 0.022uF 10% 25V	C203	[for EVW-300(J), EVW-300(UC)] 1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V
C110 C111	1-162-918-11 s CERAMIC, CHIP 18PF 5% 50V [for EVW-300P(EK)] 1-162-922-11 s CERAMIC, CHIP 39PF 5% 50V	C204	[for EVW-300P(EK)] 1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C113	for EVW-300P(EK)   1-164-227-11 s CERAMIC 0.022uF 10% 200P(EK)	C204	1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V
C114	[for EVW-300P(EK)]	C206	[for EVW-300P(EK)] 1-162-959-11 s CERAMIC 330PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C114 C114	1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V [for EVW-300(J), EVW-300(UC)] 1-162-922-11 s CERAMIC, CHIP 39PF 5% 50V	C207	1-164-392-11 s CERAMIC 390PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C114 C115 C116	[for EVW-300P(EK)] 1-162-922-11 s CERAMIC, CHIP 39PF 5% 50V 1-162-926-11 s CERAMIC, CHIP 82PF 5% 50V	C208 C209	1-126-205-11 s ELECT 47uF 20% 6.3 1-162-918-11 s CERAMIC, CHIP 18PF 5% 50V [for EVW-300(J), EVW-300(UC)]
C116	[for EVW-300(J), EVW-300(UC)] 1-162-924-11 s CERAMIC 56PF 5% 50V	C209	1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V
C117	[for EVW-300P(EK)] 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V	C210 C211	[for EVW-300P(EK)] 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V 1-162-959-11 s CERAMIC 330PF 5% 50V
C118	1-162-922-11 s CERAMIC, CHIP 39PF 5% 50V [for EVW-300(J), EVW-300(UC)]	C211	[for EVW-300(J), EVW-300(UC)] 1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V
C118	1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V [for EVW-300P(EK)]	C212	[for EVW-300P(EK)] 1-162-925-11 s CERAMIC, CHIP 68PF 5% 50V
C119 C120	1-164-227-11 s CERAMIC 0.022uF 10% 25V 1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V	C213	1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V [for EVW-300(J), EVW-300(UC)]
Dlasca ca	is near N=29 for the next numbers of		

Please see page D-29 for the part numbers of resistors that are not the parts list.

EVW-300(J,UC) EVW-300P(EK)

(VO-43/43P BOARD)		(VO-43/4	3P BOARD)		
Ref. No. or Q'ty Part No. SP Descri	ption	Ref. No. or Q'ty	Part No. SP	Description	
C213 1-162-925-11 s CERAMI	C, CHIP 68PF 5% 50V	C312		CERAMIC, CHIP 18P	F 5% 50V
C215 1-164-227-11 s CERAMI C216 1-135-216-11 s TANTALI C217 1-164-227-11 s CERAMI C218 1-162-928-11 s CERAMI	UM, CHIP 10uF 20% 10V C 0.022uF 10% 25V	C313 C314 C316 C317	1-135-216-11 s 1-126-205-11 s	CERAMIC, CHIP 15P TANTALUM, CHIP 15P ELECT 47uF 20% 6. CERAMIC, CHIP 33P	uF 20% 10V 3
C219 1-135-216-11 s TANTALI C252 1-162-967-11 s CERAMI	UM, CHIP 10uF 20% 10V C 0.0033uF 10% 50V for EVW-300(J), EVW-300(UC)] C 0.015uF 10% 25V	C318 C319 C320 C321 C322	1-135-216-11 s 1-164-227-11 s 1-135-216-11 s	TANTALUM, CHIP 10 TANTALUM, CHIP 10 CERAMIC 0.022uF 1 TANTALUM, CHIP 10 CERAMIC, CHIP 82P	uF 20% 10V 0% 25V uF 20% 10V
C253 1-135-216-11 s TANTAL		C323	1-164-217-11 s	CERAMIC 150PF 5%	50V
C254 1-164-227-11 s CERAMI  C255 1-135-216-11 s TANTALI C256 1-135-216-11 s TANTALI C257 1-135-216-11 s TANTALI C258 1-164-005-11 s CERAMI	UM, CHIP 10uF 20% 10V UM, CHIP 10uF 20% 10V UM, CHIP 10uF 20% 10V C, CHIP 0.47uF 25V		1-135-202-21 s 1-135-202-21 s 1-162-918-11 s		uF 20% 4V uF 20% 4V F 5% 50V (J), EVW-300(UC)]
C259 1-164-222-11 S CERAMI	C 0.22ur 25v	C328		CERAMIC, CHIP 22P	for EVW-300P(EK)]
C260 1-164-227-11 s CERAMI C261 1-135-216-11 s TANTALI C262 1-135-180-21 s TANTALI C263 1-135-216-11 s TANTALI C264 1-164-227-11 s CERAMI	UM, CHIP 10uF 20% 10V UM, CHIP 3.3uF 20% 6.3V UM, CHIP 10uF 20% 10V	C329 C332 C350 C351	1-135-216-11 s	TANTALUM, CHIP 22 TANTALUM, CHIP 10 CERAMIC, CHIP 100 CERAMIC 330PF 5%	uF 20% 10V
C265 1-135-180-21 s TANTAL	UM, CHIP 3.3uF 20% 6.3V	C389		CERAMIC, CHIP 33P [for EVW-300	(J), EVW-300(UC)]
C266 1-126-205-11 S ELECT C267 1-164-227-11 S CERAMICC268 1-164-227-11 S CERAMICC269 1-135-216-11 S TANTAL	C 0.022uF 10% 25V C 0.022uF 10% 25V	C389 C415 C416 C417	1-135-216-11 s 1-164-227-11 s	CERAMÍC, CHIP 18P [TANTALUM, CHIP 10 CERAMIC 0.022uF 1 CERAMIC 0.022uF 1	for EVW-300P(EK)] uF 20% 10V 0% 25V
C270 1-162-921-11 s CERAMI	for EVW-300(J), EVW-300(UC)]	C418	1-162-917-11 s	CERAMIC, CHIP 15P	F 5% 50V
C270 1-162-923-11 s CERAMI	C, CHIP 47PF 5% 50V [for EVW-300P(EK)]	C419		CERAMIC, CHIP 27P	(J), EVW-300(UC)
C271 1-164-005-11 s CERAMI C272 1-135-216-11 s TANTALI C273 1-164-227-11 s CERAMI	UM, CHIP 10uF 20% 10V	C419 C420		CERAMIC, CHIP 22P [ CERAMIC 36PF 5% 5	for EVW-300P(EK)]
C274 1-135-216-11 s TANTAL	UM. CHIP 10uF 20% 10V	C420		[for EVW-300 CERAMIC, CHIP 33P	(J), EVW-300(UC)] F 5% 50V
C275	C 330PF 5% 50V C 390PF 5% 50V C 300PF 1% 50V C 0.022uF 10% 25V	C421 C422 C423	1-164-227-11 s 1-164-227-11 s	CERAMIC 0.022uF 1 CERAMIC 0.022uF 1 CERAMIC 0.022uF 1	for EVW-300P(EK)] 0% 25V 0% 25V 0% 25V
C279 1-135-216-11 s TANTAL C280 1-164-227-11 s CERAMI	C 0.022uF 10% 25V	C424 C425	1-164-227-11 s	CERAMIC 0.022uF 1 CERAMIC 0.022uF 1	for EVW-300P(EK)] 0% 25V
C281 1-164-227-11 s CERAMI C282 1-126-205-11 s ELECT C283 1-164-361-11 s CERAMI	47uF 20% 6.3	C425		CERAMIC 0.022uF 1	
C284 1-164-471-11 s CERAMI C285 1-164-361-11 s CERAMI C301 1-162-926-11 s CERAMI C302 1-162-916-11 s CERAMI	C 680PF 5% 50V C 0.047uF 16V C, CHIP 82PF 5% 50V	C427 C428 C429 C430	1-164-227-11 s 1-164-227-11 s 1-164-227-11 s	CERAMIC 0.022uF 1 CERAMIC 0.022uF 1 CERAMIC 0.022uF 1 CERAMIC, CHIP 10P	0% 25V 0% 25V 0% 25V
C303 1-162-918-11 s CERAMI	C, CHIP 18PF 5% 50V	C430	1-162-910-11 s	CERAMIC 5PF 0.25P	F 50V for EVW-300P(EK)]
C305 1-126-206-11 S ELECT C306 1-162-958-11 S CERAMI C307 1-162-924-11 S CERAMI C308 1-164-217-11 S CERAMI C309 1-162-924-11 S CERAMI	C 270PF 5% 50V C 56PF 5% 50V C 150PF 5% 50V	C431 C432 C433 C434	1-164-227-11 s 1-164-227-11 s	CERAMIC 0.022uF 1 CERAMIC 0.022uF 1 CERAMIC 0.022uF 1 CERAMIC 5PF 0.25P	0% 25V 0% 25V 0% 25V for EVW-300P(EK)] F 50V
C310 1-135-216-11 s TANTAL C311 1-164-227-11 s CERAMI C312 1-162-917-11 s CERAMI	UM, CHIP 10uF 20% 10V C 0.022uF 10% 25V	C435 C436	1-135-216-11 s	TANTALUM, CHIP 10 CERAMIC 0.022uF 1	for EVW-300P(EK)] uF 20% 10V

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(VO-43/43P BOARD)
                                                                                                                                                        (VO-43/43P BOARD)
Ref. No.
                                                                                                                                                        Ref. No. or Q'ty Part No.
or Q'ty Part No.
                                                 SP Description
                                                                                                                                                                                                         SP Description
                    1-162-920-11 s CERAMIC, CHIP 27PF 5% 50V [for EVW-300(J), EVW-300(UC)]
1-162-918-11 s CERAMIC, CHIP 18PF 5% 50V [for EVW-300P(EK)]
C439
                                                                                                                                                                             8-719-820-05 s DIODE 1SS181
                                                                                                                                                                             8-719-820-05 s DIODE 188181
8-719-820-05 s DIODE 188181
8-719-820-05 s DIODE 188181
8-719-404-35 s DIODE MA141WK
                                                                                                                                                        D109
D110
C439
                   D201
C440
                                                                                                                                                        D202
                                                                                                                                                                            8-719-820-05 s DIODE 1SS181
8-719-820-05 s DIODE 1SS181
8-719-820-05 s DIODE 1SS181
8-719-404-35 s DIODE MA141WK
8-719-820-05 s DIODE 1SS181
C440
                                                                                                                                                        D251
                                                                                                                                                        D252
D253
C441
                                                                                                                                                        D301
                                                                                                                                                         D302
                   1-164-218-11 s CERAMIC 180PF 5% 50V

[for EVW-300P(EK)]

1-162-959-11 s CERAMIC 330PF 5% 50V

1-164-227-11 s CERAMIC 0.022uF 10% 25V

1-164-346-11 s CERAMIC 1uF 16V

1-164-227-11 s CERAMIC 0.022uF 10% 25V
C441
                                                                                                                                                                            8-719-820-05 s DIODE ISS181
8-719-820-05 s DIODE ISS181
[for EVW-300(J), EVW-300(UC)]
                                                                                                                                                         D303
C442
                                                                                                                                                        D304
C443
C701
                                                                                                                                                                            8-719-820-05 s DIODE 1SS181
8-719-820-05 s DIODE 1SS181
8-719-820-05 s DIODE 1SS181
                                                                                                                                                        D401
C702
                                                                                                                                                        D402
                                                                                                                                                        D803
                    1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V
1-135-180-21 s TANTALUM, CHIP 3.3uF 20% 6.3V
1-164-227-11 s CERAMIC 0.022uF 10% 25V
[for EVW-300(J), EVW-300(UC)]
1-135-180-21 s TANTALUM, CHIP 3.3uF 20% 6.3V
1-164-360-11 s CERAMIC 0.1uF 16V
C703
                                                                                                                                                                            8-719-820-05 s DIODE 1SS181
8-719-820-05 s DIODE 1SS181
8-719-404-35 s DIODE MA141WK
C705
                                                                                                                                                        D804
C706
                                                                                                                                                        D805
                                                                                                                                                        D807
C707
                                                                                                                                                                            1-415-894-11 s DELAY LINE
1-415-893-11 s DELAY LINE
1-415-894-11 s DELAY LINE
1-415-893-11 s DELAY LINE
C708
                                                                                                                                                        DL100
                                                                                                                                                        DL101
                    1-164-227-11 s CERAMIC 0.022uF 10% 25V

1-135-180-21 s TANTALUM, CHIP 3.3uF 20% 6.3V

1-164-227-11 s CERAMIC 0.022uF 10% 25V

1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V

1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V

[for EVW-300(J), EVW-300(UC)]
C709
                                                                                                                                                        DL102
C710
                                                                                                                                                        DL103
C711
                                                                                                                                                        DL104
                                                                                                                                                                             1-415-892-11 s DELAY LINE
C713
                                                                                                                                                                            1-415-729-21 s DELAY LINE, LC (Y)
1-236-775-11 s FILTER, LOW PASS (DEM)
1-236-774-11 s FILTER, LOW PASS (Y)
1-236-848-21 s FILTER, LOW PASS
1-236-757-21 s FILTER, LOW PASS (C)
[for EVW-300(J), EVW-300(UC)]
                                                                                                                                                        FL1
                                                                                                                                                        FL201
FL301
FL303
                   1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V [for EVW-300P(EK)]
1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V
1-164-346-11 s CERAMIC 1uF 16V
1-164-227-11 s CERAMIC 0.022uF 10% 25V
1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V
C714
                                                                                                                                                        FL701
C716
C717
                                                                                                                                                                           1-236-773-21 s FILTER, LOW PASS (Y)
[for EVW-300(J), EVW-300(UC)]
1-239-010-11 s FILTER, LOW-PASS
                                                                                                                                                        FL701
                                                                                                                                                                            1-236-848-21 s FILTER, LOW PASS
C718
                                                                                                                                                        FL702
                    1-135-180-21 s TANTALUM, CHIP 3.3uF 20% 6.3V

1-164-227-11 s CERAMIC 0.022uF 10% 25V

1-164-360-11 s CERAMIC 0.1uF 16V

1-164-227-11 s CERAMIC 0.022uF 10% 25V

1-135-180-21 s TANTALUM, CHIP 3.3uF 20% 6.3V
C720
C721
C722
                                                                                                                                                        FL702
C723
                                                                                                                                                        IC1
IC2
IC101
IC201
                                                                                                                                                                            8-759-256-44 s IC NJM2235M-TE2
8-759-011-65 s IC MC74HC4053F
8-759-925-60 s IC BA401
8-752-054-62 s IC CXA1207AR
8-759-320-76 s IC HA118070FP
Č724
                    1-164-227-11 s CERAMIC 0.022uF 10% 25V
1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V
1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V
1-164-227-11 s CERAMIC 0.022uF 10% 25V
1-164-227-11 s CERAMIC 0.022uF 10% 25V
C727
C728
                                                                                                                                                        IC301
C729
C802
                                                                                                                                                        IC302
                                                                                                                                                                            8-759-320-76 s IC HA118070FP
                                                                                                                                                                            8-752-332-68 s IC CXL5502M

[for EVW-300(J), EVW-300(UC)]
                                                                                                                                                        IC701
                    1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V
1-135-180-21 s TANTALUM, CHIP 3.3uF 20% 6.3V
1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V
1-164-227-11 s CERAMIC 0.022uF 10% 25V
1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V
C803
                                                                                                                                                                            8-752-333-24 s IC CXL1506M
8-752-332-68 s IC CXL5502M
C815
                                                                                                                                                        IC701
C818
                                                                                                                                                        IC702
C819
                                                                                                                                                                                                                           [for EVW-300(J), EVW-300(UC)]
                                                                                                                                                                            8-752-333-24 s IC CXL1506M
C821
                                                                                                                                                        IC702
C822
                    1-164-245-11 s CERAMIC 0.015uF 10% 25V
                                                                                                                                                                            8-759-009-22 s IC MC14094BF
8-759-234-13 s IC TC4S30F
                                                                                                                                                        TC803
                                                                                                                                                        IC804
                    1-568-801-11 s CONNECTOR, FPC (ZIF)
1-568-801-11 s CONNECTOR, FPC (ZIF)
1-569-035-11 o CONNECTOR, FPC (ZIF)
CN1
                                                                                                                                                                            1-410-381-11 s INDUCTOR CHIP 10uH
1-410-382-31 s INDUCTOR CHIP 12uH
1-410-387-11 s INDUCTOR CHIP 33uH
1-412-280-31 s INDUCTOR 330uH
1-410-167-41 s INDUCTOR CHIP 820uH
CN2
                                                                                                                                                        L3
CN3
                                                                                                                                                        L4
                                                                                                                                                        L101
                    8-719-820-05 s DIODE 188181
D101
                                                                                                                                                        L102
                    8-719-800-76 s DIODE 1SS181
8-719-820-05 s DIODE 1SS181
8-719-820-05 s DIODE 1SS181
D103
                                                                                                                                                        L103
D104
                                                                                                                                                                            1-410-657-21 s INDUCTOR CHIP 180uH
1-410-387-11 s INDUCTOR CHIP 33uH
D105
                                                                                                                                                        L104
D106
                    8-719-820-05 s DIODE 1SS181
                                                                                                                                                        L105
                                                                                                                                                                                                                                                    [for EVW-300P(EK)]
                                                                                                                                                                            1-410-379-31 s INDUCTOR CHIP 6.8uH
D107
                    8-719-820-05 s DIODE 1SS181
                                                                                                                                                        L107
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(VO-43/4	3P BOARD)	(VO-43/4	3P BOARD)	
Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description	
L108 L109	1-410-374-11 s INDUCTOR CHIP 2.7uH 1-410-379-31 s INDUCTOR CHIP 6.8uH	L701 L702	1-410-381-11 s INDUCTOR CHIP 10uH 1-410-389-31 s INDUCTOR CHIP 47uH	
L109	[for EVW-300(J), EVW-300(UC)] 1-410-380-31 s INDUCTOR CHIP 8.2uH [for EVW-300P(EK)]	L703 L704 L801	1-410-381-11 s INDUCTOR CHIP 10uH 1-410-389-31 s INDUCTOR CHIP 47uH 1-410-381-11 s INDUCTOR CHIP 10uH	
L110 L111	1-410-379-31 s INDUCTOR CHIP 6.8uH 1-410-384-31 s INDUCTOR CHIP 18uH	L805	1-410-389-31 s INDUCTOR CHIP 47uH	
L112 L113 L114 L115 L116	1-412-282-41 s INDUCTOR 470uH 1-412-282-41 s INDUCTOR 470uH 1-410-384-31 s INDUCTOR CHIP 18uH 1-410-381-11 s INDUCTOR CHIP 10uH 1-410-383-31 s INDUCTOR CHIP 15uH [for EVW-300(J), EVW-300(UC)]	Q2 Q5 Q6 Q7 Q8	8-729-905-23 s TRANSISTOR 2SA1576R 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-905-23 s TRANSISTOR 2SA1576R 8-729-905-23 s TRANSISTOR 2SA1576R 8-729-905-23 s TRANSISTOR 2SA1576R	
L116	1-410-386-11 s INDUCTOR CHIP 27uH	Q9 Q10	8-729-905-23 s TRANSISTOR 2SA1576R 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	
L117 L201 L202	[for EVW-300P(EK)] 1-410-381-11 s INDUCTOR CHIP 10uH 1-410-385-11 s INDUCTOR, CHIP 22uH	Q11 Q12 Q13	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-905-23 s TRANSISTOR 2SA1576R	
L202	1-410-375-11 s INDUCTOR CHIP 3.3uH [for EVW-300(J), EVW-300(UC)] 1-410-378-11 s INDUCTOR CHIP 5.6uH	Q14 Q15	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	
L203	[for EVW-300P(EK)] 1-410-378-11 s INDUCTOR CHIP 5.6uH	Q16 Q17 Q57	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-905-18 s TRANSISTOR DTC144EU	
L204 L204	1-410-393-11 s INDUCTOR CHIP 100uH [for EVW-300(J), EVW-300(UC)] 1-410-391-11 s INDUCTOR CHIP 68uH	Q101 Q102	8-729-117-32 s TRANSISTOR 2SC4177 8-729-209-07 s TRANSISTOR 2SC4213-B	
L205	[for EVW-300P(EK)]	Q103 Q104	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	000/501
L205	[for EVW-300(J), EVW-300(UC)] 1-410-369-11 s INDUCTOR CHIP 1uH [for EVW-300P(EK)]	Q105	8-729-905-18 s TRANSISTOR DTC144EU [for EVW-	
L206 L207	1-410-386-11 s INDUCTOR CHIP 27nH	Q106	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 [for EVW-3	
L207	[for EVW-300(J), EVW-300(UC)] 1-410-390-11 s INDUCTOR CHIP 56uH [for EVW-300P(EK)]	Q107 Q108 Q109	8-729-905-18 s TRANSISTOR DTC144EU 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	, , , , ,
L209 L251	1-410-381-11 s INDUCTOR CHIP 10uH 1-410-381-11 s INDUCTOR CHIP 10uH	Q110	8-729-905-12 s TRANSISTOR DTA144EU	
L252	[for EVW-300P(EK)] 1-410-379-31 s INDUCTOR CHIP 6.8uH	Q111 Q112 Q113	8-729-904-07 s TRANSISTOR FMG2 8-729-903-10 s TRANSISTOR FMW1 8-729-209-07 s TRANSISTOR 2SC4213-B	
L301	1-410-381-11 s INDUCTOR CHIP 10uH 1-410-385-11 s INDUCTOR, CHIP 22uH 1-410-391-11 s INDUCTOR CHIP 68uH	Q114 Q115	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-117-32 s TRANSISTOR 2SC4177 [for EVW-300(J), EVW-	-300(IIC) 1
	[for EVW-300P(EK)]	Q115	8-729-120-28 s TRANSISTOR 2SC1623-L5L6	
L306	1-410-380-31 s INDUCTOR CHIP 8.2nH	Q116 Q117	8-729-903-10 s TRANSISTOR FMW1 8-729-905-18 s TRANSISTOR DTC144EU	OUUF(ER)]
L308	1-410-389-31 s INDUCTOR CHIP 47uH [for EVW-300(J)	Q119	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-905-12 s TRANSISTOR DTA144EU	
L308	1-410-388-31 s INDUCTOR, CHIP 39uH	Q120 Q121	8-729-905-18 s TRANSISTOR DTC144EU 8-729-117-32 s TRANSISTOR 2SC4177 [for EVW-300(J), EVW-	300(IIC) )
L314	1-410-385-11 s INDUCTOR, CHIP 22uH		8-729-120-28 s TRANSISTOR 2SC1623-L5L6 [for EVW-3	
L406	1-410-380-31 s INDUCTOR CHIP 8.2uH		8-729-117-32 s TRANSISTOR 2SC4177 [for EVW-300(J), EVW- 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	
L408	1-410-392-11 s INDUCTOR, CHIP 82uH [for EVW-300(J), EVW-300(UC)]		[for EVW-3 8-729-905-12 s TRANSISTOR DTA144EU	800P(EK)]
	1-410-388-31 s INDUCTOR, CHIP 39uH [for EVW-300P(EK)]	Q124 Q125	8-729-905-18 s TRANSISTOR DTC144EU 8-729-141-48 s TRANSISTOR 2SB624-BV345	
L411	1-410-381-11 s INDUCTOR CHIP 150UH	Q201 Q202	8-729-905-18 s TRANSISTOR DTC144EU 8-729-120-28 s TRANSISTOR 2SC1623-L5L6	

(VO-43/43P BOARD)	(VO-43/4	(VO-43/43P BOARD)		
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description		
Q203       8-729-905-23 s       TRANSISTOR 2SA1576         Q204       8-729-120-28 s       TRANSISTOR 2SC1623         Q205       8-729-120-28 s       TRANSISTOR 2SC1623         Q206       8-729-120-28 s       TRANSISTOR 2SC1623         Q207       8-729-120-28 s       TRANSISTOR 2SC1623	-L5L6 Q326 -L5L6 Q327 -L5L6 Q409	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-903-10 s TRANSISTOR FMW1		
Q208 8-729-120-28 s TRANSISTOR 2SC1623- Q209 8-729-905-12 s TRANSISTOR DTA144E Q210 8-729-905-12 s TRANSISTOR DTA144E	U Q412 U	8-729-905-18 s TRANSISTOR DTC144EU 8-729-905-12 s TRANSISTOR DTA144EU [for EVW-300P(EK)]		
Q211 8-729-120-28 s TRANSISTOR 2SC1623- Q212 8-729-120-28 s TRANSISTOR 2SC1623-	or EVW-300P(EK)} Q413 -L5L6 Q414 -L5L6 Q415	8-729-905-12 s TRANSISTOR DTA144EU 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-117-32 s TRANSISTOR 2SC4177		
Q213       8-729-905-12       \$ TRANSISTOR DTA144EI         Q214       8-729-905-23       \$ TRANSISTOR 2SA1576I         Q215       8-729-120-28       \$ TRANSISTOR 2SC1623-         Q216       8-729-120-28       \$ TRANSISTOR 2SC1623-	U Q416 R Q417	8-729-117-32 s TRANSISTOR 2SC4177 8-729-905-23 s TRANSISTOR 2SA1576R		
0216 8-729-120-28 s TRANSISTOR 25C1623- 0217 8-729-905-12 s TRANSISTOR DTA144E	-L5L6 Q418 U	[for EVW-300P(EK)] 8-729-905-12 s TRANSISTOR DTA144EU [for EVW-300P(EK)]		
Q218 8-729-905-12 s TRANSISTOR DTA144E0 Q219 8-729-903-10 s TRANSISTOR FMW1	Q419 U Q420	8-729-904-07 s TRANSISTOR FMG2 8-729-905-12 s TRANSISTOR DTA144EU		
Q220       8-729-905-18 s       TRANSISTOR DTC144EI         Q221       8-729-905-23 s       TRANSISTOR DTA144EI         Q222       8-729-905-12 s       TRANSISTOR DTA144EI	R Q423 U Q424 Q425	8-729-905-18 s TRANSISTOR DTC144EU 8-729-117-32 s TRANSISTOR 2SC4177 8-729-905-12 s TRANSISTOR DTA144EU 8-729-117-32 s TRANSISTOR 2SC4177		
Q223       8-729-141-48 s       TRANSISTOR 2SB624-1         Q224       8-729-905-18 s       TRANSISTOR DTC144EI         Q225       8-729-120-28 s       TRANSISTOR 2SC1623-1         Q252       8-729-905-12 s       TRANSISTOR DTA144EI	BV345 Q426 U	8-729-209-07 s TRANSISTOR 2SC4213-B 8-729-209-07 s TRANSISTOR 2SC4213-B		
[fc	U Q428 or EVW-300P(EK)] Q429	8-729-209-07 s TRANSISTOR 2SC4213-B 8-729-905-23 s TRANSISTOR 2SA1576R		
Q253 8-729-905-18 s TRANSISTOR DTC144E	U Q430 or EVW-300P(EK)] Q431	8-729-905-18 s TRANSISTOR DTC144EU 8-729-905-18 s TRANSISTOR DTC144EU		
Q254 8-729-905-18 s TRANSISTOR DTC144EI	or EVW-300P(EK) 1 0702	8-729-905-23 s TRANSISTOR 2SA1576R 8-729-120-28 s TRANSISTOR 2SC1623-L5L6		
Q255       8-729-905-18 s       TRANSISTOR DTC144EI         Q256       8-729-905-18 s       TRANSISTOR DTC144EI         Q257       8-729-905-18 s       TRANSISTOR DTC144EI         Q258       8-729-905-12 s       TRANSISTOR DTA144EI	U Q704 U Q705 U	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-905-18 s TRANSISTOR DTC144EU 8-729-905-23 s TRANSISTOR 2SA1576R		
Q259 8-729-209-07 s TRANSISTOR 2SC4213- Q260 8-729-209-07 s TRANSISTOR 2SC4213- Q261 8-729-905-12 s TRANSISTOR DTA144EI Q262 8-729-905-12 s TRANSISTOR DTA144EI	U Q805 U Q806	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-905-18 s TRANSISTOR DTC144EU 8-729-141-48 s TRANSISTOR 2SB624-BV345 8-729-905-18 s TRANSISTOR DTC144EU 8-729-905-18 s TRANSISTOR DTC144EU		
Q263 8-729-905-18 s TRANSISTOR DTC144EX Q264 8-729-905-12 s TRANSISTOR DTA144EX	Q807	8-729-905-18 s TRANSISTOR DTC144EU 8-729-141-48 s TRANSISTOR 2SB624-BV345		
Q301         8-729-905-12         s TRANSISTOR DTA144EI           Q302         8-729-905-23         s TRANSISTOR 2SA1576I           Q303         8-729-905-18         s TRANSISTOR DTC144EI           Q305         8-729-209-07         s TRANSISTOR 2SC4213-	U Q813 R Q814 U Q815	8-729-905-18 s TRANSISTOR DTC144EU 8-729-905-12 s TRANSISTOR DTA144EU 8-729-905-18 s TRANSISTOR DTC144EU		
Q307 8-729-905-18 s TRANSISTOR DTC144EL	Q816 Q817	8-729-904-20 s TRANSISTOR FMA2 8-729-904-07 s TRANSISTOR FMG2		
Q309 8-729-120-28 s TRANSISTOR 2SC1623- Q310 8-729-905-23 s TRANSISTOR 2SA1576F Q311 8-729-905-23 s TRANSISTOR 2SA1576F	R Q820 R	8-729-905-18 s TRANSISTOR DTC144EU 8-729-905-18 s TRANSISTOR DTC144EU 8-729-905-18 s TRANSISTOR DTC144EU		
Q312 8-729-904-07 s TRANSISTOR FMG2 Q313 8-729-905-45 s TRANSISTOR DTA143EU	Q821 Q822	8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-905-12 s TRANSISTOR DTA144EU		
Q314       8-729-905-23 s       TRANSISTOR 2SA1576F         Q315       8-729-120-28 s       TRANSISTOR 2SC1623-         Q316       8-729-905-23 s       TRANSISTOR 2SA1576F         Q317       8-729-905-12 s       TRANSISTOR DTA144EF	R R41 -L5L6 R42 R R43	1-218-692-11 s METAL 1K 0.50% 1/16W 1-218-700-11 s METAL 2.2K 0.50% 1/16W 1-218-692-11 s METAL 1K 0.50% 1/16W 1-218-692-11 s METAL 1K 0.50% 1/16W 1-218-692-11 s METAL 1K 0.50% 1/16W		
Q318       8-729-120-28 s       TRANSISTOR 2SC1623-         Q319       8-729-120-28 s       TRANSISTOR 2SC1623-         Q320       8-729-904-20 s       TRANSISTOR FMA2         Q323       8-729-905-23 s       TRANSISTOR 2SA1576F         Q324       8-729-120-28 s       TRANSISTOR 2SC1623-	-L5L6 -L5L6 R47 R55 R R209	1-218-692-11 s METAL 1K 0.50% 1/16W 1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W 1-218-845-11 s METAL, CHIP 820 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]		

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(VO-43/43P BOARD)
                                                                                                                                                                                    (VO-43/43P BOARD)
Ref. No.
                                                                                                                                                                                   Ref. No. or Q'ty Part No.
or Q'ty Part No.
                                                         SP Description
                                                                                                                                                                                                                                             SP Description
                       1-218-837-11 s METAL CHIP 390 0.50% 1/16W [for EVW-300P(EK)]
1-218-829-11 s METAL CHIP 180 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
1-218-845-11 s METAL, CHIP 820 0.50% 1/16W [for EVW-300P(EK)]
                                                                                                                                                                                                            1-218-833-11 s METAL CHIP 270 0.50% 1/16W [for EVW-300(J), EVW-300(UC)] 1-218-736-11 s METAL 68K 0.50% 1/16W
R209
                                                                                                                                                                                    R736
R210
                                                                                                                                                                                    R857
                                                                                                                                                                                                            1-238-090-11 s RES, ADJ, 10K
1-238-090-11 s RES, ADJ, 10K
1-238-088-11 s RES, ADJ, 2.2K
1-238-089-11 s RES, ADJ, 4.7K
1-238-091-11 s RES, ADJ METAL 22K
R210
                                                                                                                                                                                    RV1
                                                                                                              [for EVW-300P(EK)]
                                                                                                                                                                                    RV2
                       1-218-706-11 s METAL 3.9K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
1-218-873-11 s METAL, CHIP 12K 0.50% 1/16W
                                                                                                                                                                                   RV201
RV202
R220
R251
                                                                                                                                                                                    RV251
                      1-218-740-11 s METAL 100K 0.50% 1/16W [for EVW-300P(EK)]
1-218-714-11 s METAL 8.2K 0.50% 1/16W [for EVW-300(UC)]
1-218-867-11 s METAL, CHIP 6.8K 0.50% 1/16W [for EVW-300P(EK)]
1-218-881-11 s METAL CHIP 27K 0.50% 1/16W 1-218-704-11 s METAL 3.3K 0.50% 1/16W
                                                                                                                                                                                                            1-238-092-11 s RES, ADJ METAL 47K
1-238-092-11 s RES, ADJ METAL 47K
1-238-091-11 s RES, ADJ METAL 22K
1-238-089-11 s RES, ADJ, 4.7K
1-238-091-11 s RES, ADJ METAL 22K
R254
                                                                                                                                                                                   RV253
RV254
RV255
R257
R257
                                                                                                                                                                                   RV256
                                                                                                                                                                                   RV258
RV259
RV301
RV302
                                                                                                                                                                                                           1-238-089-11 s RES, ADJ, 4.7K
1-238-089-11 s RES, ADJ, 4.7K
1-238-087-11 s RES, ADJ, 1K
1-238-087-11 s RES, ADJ, 1K
1-238-089-11 s RES, ADJ, 4.7K
R264
R265
                       1-218-704-11 s METAL 3.3K 0.50% 1/16W 1-218-899-11 s CHIP, METAL 150K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)] 1-218-738-11 s METAL 82K 0.50% 1/16W [for EVW-300P(EK)]
R266
R267
                                                                                                                                                                                   RV401
R267
                                                                                                                                                                                   RV402
                                                                                                                                                                                                            1-238-088-11 s RES, ADJ, 2.2K
1-238-087-11 s RES, ADJ, 1K
1-238-087-11 s RES, ADJ, 1K
                                                                                                                                                                                   RV403
                       1-218-752-11 s METAL 330K 0.50% 1/16W
1-218-706-11 s METAL 3.9K 0.50% 1/16W
[for EVW-300(J), EVW-300(UC)]
R268
R269
                                                                                                                                                                                   S801
                                                                                                                                                                                                            1-571-275-31 s SWITCH, SLIDE
                      1-218-708-11 s METAL 4.7K 0.50% 1/16W [for EVW-300P(EK)]
1-218-688-11 s METAL 680 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
1-218-680-11 s METAL 330 0.50% 1/16W [for EVW-300P(EK)]
R269
                                                                                                                                                                                                            1-809-308-21 s THERMISTER (CHIP)
[for EVW-300(J), EVW-300(UC)]
                                                                                                                                                                                   TH701
R270
R270
                       1-218-708-11 s METAL 4.7K 0.50% 1/16W [for EVW-300(UC)]
R272
                      1-218-740-11 s METAL 100K 0.50% 1/16W [for EVW-300P(EK)]
1-218-706-11 s METAL 3.9K 0.50% 1/16W
1-218-833-11 s METAL CHIP 270 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
1-218-688-11 s METAL 680 0.50% 1/16W [for EVW-300P(EK)]
1-208-774-11 s CHIP, METAL 470 0.50% 1/10W
R273
R275
R275
R277
                       1-218-694-11 s METAL, CHIP 1.2K 0.50% 1/16W 1-216-641-11 s METAL, CHIP 390 0.5% 1/10W 1-218-700-11 s METAL 2.2K 0.50% 1/16W 1-218-732-11 s METAL 47K 0.50% 1/16W 1-218-704-11 s METAL 3.3K 0.50% 1/16W
R284
R285
R286
R287
R288
                       1-218-722-11 s METAL, CHIP 18K 0.50% 1/16W

1-218-842-11 s METAL CHIP 620 0.50% 1/16W

[for EVW-300(J), EVW-300(UC)]

1-218-668-11 s METAL 100 0.50% 1/16W

[for EVW-300P(EK)]

1-218-692-11 s METAL 1K 0.50% 1/16W

1-218-700-11 s METAL 2.2K 0.50% 1/16W
R289
R328
R328
R354
                       1-218-692-11 s METAL 1K 0.50% 1/16W 1-218-692-11 s METAL 1K 0.50% 1/16W 1-218-710-11 s METAL 5.6K 0.50% 1/16W 1-218-692-11 s METAL 1K 0.50% 1/16W 1-218-883-11 s METAL 33K 0.50% 1/16W
R357
R358
R359
R380
                       1-218-889-11 s CHIP, METAL 56K 0.50% 1/16W 1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W [for EVW-300(J), EVW-300(UC)]
R381
R446
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FRAME
    Ref. No.
    or Q'ty Part No.
                                                         SP Description
                     ⚠1-466-716-11 s CONVERTER UNIT, DC-DC
1-547-463-11 o FILTER UNIT, OPTICAL
1-569-347-11 s CONNECTOR, FPC(TRANSLATION) 13P
1-628-060-12 s WIRE, FLEXIBLE CARD 13P (FP-89)
1-628-061-12 s WIRE, FLEXIBLE CARD 11P (FP-90)
    1pc
    1pc
    1pc
    1pc
                         1-633-891-11 s WIRE, FLEXIBLE CARD 22P (FP-247)
1-637-680-11 o WIRE, FLEXIBLE CARD 10P (FP-375)
1-949-501-11 o HARNESS (DD-CMB)
1-949-502-12 o HARNESS (IL-PSW)
1-949-503-11 o HARNESS (DD-EXTDC)
   1pc
    1pc
   1pc
    1pc
   1pc
                        1-949-504-11 o HARNESS (DD-BATT)
1-949-505-11 o HARNESS (CP-CN11)
1-949-506-11 o HARNESS (CP-CN12)
1-949-507-11 o HARNESS (CP-CN13)
1-949-508-11 o HARNESS (FP-ME1)
   1pc
   1pc
   1pc
   1pc
   1pc
                        1-949-509-11 o HARNESS (FP-ME2)
1-949-511-11 o HARNESS (FP-MVR)
1-949-512-11 o HARNESS (FP-SP)
1-949-513-12 o HARNESS (FP-MIC1)
1-949-514-12 o HARNESS (FP-MIC2)
   1pc
  1pc
   1pc
   1pc
  1pc
                        1-949-515-11 o HARNESS (DD-IL)

1-949-929-11 o HARNESS (LENS-1)

1-949-931-11 o HARNESS (VF-1)

[for EVW-300(J), EVW-300(UC)]

1-949-931-21 o HARNESS (VF-2) [for EVW-300P(EK)]

1-949-932-11 o HARNESS (VBS-1)
  1pc
  lpc
  1pc
  1pc
  1pc
                       1-949-936-11 o HARNESS (SW-4)
8-719-979-92 s TNERRUPTER SPI-315-25-CD
8-741-101-34 s IC SBX1508-41
[for EVW-300(J), EVW-300(UC)]
8-741-101-35 s IC SBX1508-51 [for EVW-300P(EK)]
8-814-250-10 s MICROPHONE, BUILT-IN (C-2025A)
  lpc
 2pcs
  1pc
  1pc
 1pc
                        8-835-331-31 s MOTOR, DC U-22A
 1pc
CN19 (to MB-384/384P board)
1-569-197-11 o HOUSING, 4P
1-569-193-11 s CONTACT, FEMALE, AWG24-30
CN21 (to MB-384/384P board)
1-569-201-11 o HOUSING, 8P
1-569-193-11 s CONTACT, FEMALE, AWG24-30
CN22 (to MB-384/384P board)
1-569-199-11 o HOUSING, 6P
1-569-193-11 s CONTACT, FEMALE, AWG24-30
                      1-564-603-11 s CONNECTOR (WITH DC SW) 4P, MALE
1-509-891-00 s CONNECTOR, BNC, FEMALE "VIDEO OUT"
1-509-891-00 s CONNECTOR, BNC, FEMALE
1-562-222-41 s CONNECTOR,6P,FEMALE "LENS"
1-561-320-00 s SOCKET, DIN 8P "VF"
 CN101
 CN102
 CN103
 CN105
 CN106
                       1-563-029-21 s CONNECTOR, XLR 3P, FEMALE "AUDIO IN CH-1"
CN107
                      1-563-029-21 s CONNECTOR, XLR 3P, FEMALE "AUDIO IN CH-2"
CN108
CS101
                       1-808-505-12 s SENSOR
                      8-729-906-48 s PHOTO TRANSISTOR EE-TP109
8-719-820-44 s PHOTO COUPLER TLP907-0(SONY2)
8-729-906-48 s PHOTO TRANSISTOR EE-TP109
8-719-820-44 s PHOTO COUPLER TLP907-0(SONY2)
D101
D102
D103
D104
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Ref. No. or Q'ty Part No. SP Description

D105 8-719-026-04 s DIODE GL453JS

ME001 1-520-495-11 s METER, LEVEL "PCM1" ME002 1-520-495-21 s METER, LEVEL "PCM2/AFM/BATT"

S101 1-552-504-00 s SWITCH, TOGGLE "POWER"
S102 1-554-486-00 s SWITCH, TOGGLE "POWER"
S103 1-572-298-11 s SWITCH, PUSH "ME/MP, MP/HG, PROOF"
S104 1-571-099-11 s SWITCH "CASSETTE DOWN"
S105 1-572-173-11 s SWITCH, SLIDE "ENCODER MODE SW"

SP001 1-544-312-11 s SPEAKER (DIA. 20) "EAR SPEAKER"

(FRAME)



# SECTION E **CHANGED PARTS**

NOTE: 1. Regarding the changed information for resistors and capacitors, please see the schematic diagrams.

2. The numbers identified by marking with ) are matching with each serial numbers.

See the table matched with each serial numbers. 207) Serial No. 10951 and higher [for EVW-300(UC)] 30741 and higher [for EVW-300(J)] 40901 and higher [for EVW-300P(EK)] 205) Serial No. 10731 and higher [for EVW-300(UC)] 30481 and higher [for EVW-300(J)] 40701 and higher [for EVW-300P(EK)] 208) Serial No. 11151 and higher [for EVW-300(UC)] 30956 and higher [for EVW-300(J)] 41051 and higher [for EVW-300P(EK)] 206) Serial No. 10851 and higher [for EVW-300(UC)] 30631 and higher [for EVW-300(J)] 40801 and higher [for EVW-300P(EK)] 304) Serial No. 11961 and higher [for EVW-300(UC)] 31326 and higher [for EVW-300(J)] 42231 and higher [for EVW-300P(EK)] AT-70 BOARD ---> 1-410-389-31 s INDUCTOR CHIP 47uH ---> 1-579-728-11 s CRYSTAL 12.0MHz 1-410-517-11 s INDUCTOR 47uH 1-567-865-11 s CRYSTAL, 12.00MHz AU-162/162P BOARD ---> 1-567-519-11 s CRYSTAL 4.194304MHz 304) X102 1-567-121-00 s CRYSTAL 4.194304MHz ES-4/4P BOARD 1-239-379-21 s FILTER, BANDPASS [for EVW-300(J,UC)] 1-239-380-11 s FILTER, BANDPASS [for EVW-300P(EK)] 8-759-209-69 s IC TC4S11F 1-410-389-31 s INDUCTOR CHIP 47uH 8-729-117-72 s TRANSISTOR 2SC4178 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 207) FL1 207) FL1 207) IC3 207) L20 207) Q1 207) Q100 1-235-161-00 s FILTER, BANDPASS 3.58MHz 1-235-181-00 s FILTER, BANDPASS 4.43MHz 8-759-209-15 s IC TC4SU69F 1-410-517-11 s INDUCTOR 47uH 8-729-907-26 s TRANSISTOR IMX1 ---> ---> ---> NOT IN USE. 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-117-72 s TRANSISTOR 2SC4178 Q101 Q35 Q36 Q4 Q5 NOT IN USE. NOT IN USE. NOT IN USE. 8-729-905-23 s TRANSISTOR 2SA1576R 8-729-907-26 s TRANSISTOR IMX1 -,--> 207 207 207 207 ---> ---> ---> 207) ---> 1-572-272-11 s SWITCH, SLIDE [for EVW-300(J,UC)] 207) S1 1-553-977-00 s SWITCH, SLIDE IE-33/33P BOARD DELETED. 8-759-925-72 s IC SN74HC02ANS 1-238-088-11 s RES, ADJ, 2.2K 1-572-272-11 s SWITCH, SLIDE 206) IC13 206) IC23 206) RV18 206) S1 8-759-031-84 s IC SC7S04F 8-759-035-90 s IC SC7S02F NOT IN USE. 1-553-977-00 s SWITCH, SLIDE ---> MB-384/384P BOARD ---> 1-543-775-11 s FILTER, EMI ---> 1-543-775-11 s FILTER, EMI ---> 1-543-775-11 s FILTER, EMI NOT IN USE. NOT IN USE. NOT IN USE. 205) FB1 205) FB10

205) FB2

### PR-159/159P BOARD

208) D10 208) D11 208) D6 208) D7 208) D8	8-719-911-19 s DIODE 1SS119 8-719-911-19 s DIODE 1SS119 8-719-911-19 s DIODE 1SS119 8-719-911-19 s DIODE 1SS119 8-719-911-19 s DIODE 1SS119	> >	8-719-800-76 s D10DE 1SS226 DELETED. 8-719-800-76 s D10DE 1SS226 DELETED. 8-719-800-76 s D10DE 1SS226
208) D9 208) L2 208) L3	8-719-911-19 s DIODE 1SS119 1-410-513-11 s INDUCTOR 22uH 1-410-513-11 s INDUCTOR 22uH	> >	DELETED. 1-410-385-11 s INDUCTOR, CHIP 22uH 1-410-385-11 s INDUCTOR, CHIP 22uH

### VO-43 BOARD

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208) FL701 1-236-757-11 s FILTER, LOW PASS (C) ---> 1-236-757-21 s FILTER, LOW PASS (C) [for EVW-300(J,UC)] ---> 1-809-308-21 s THERMISTER (CHIP) [for EVW-300(J,UC)]
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# VCL-713BX

## **EXPLODED VIEW**

No. Part No. SP Description

3-707-546-01 o CAP, DUST 3-708-381-01 o HOOD 3-708-382-01 o CAP, HOOD 3-708-383-01 o LEVER, ZOOM

